

09888051.052101

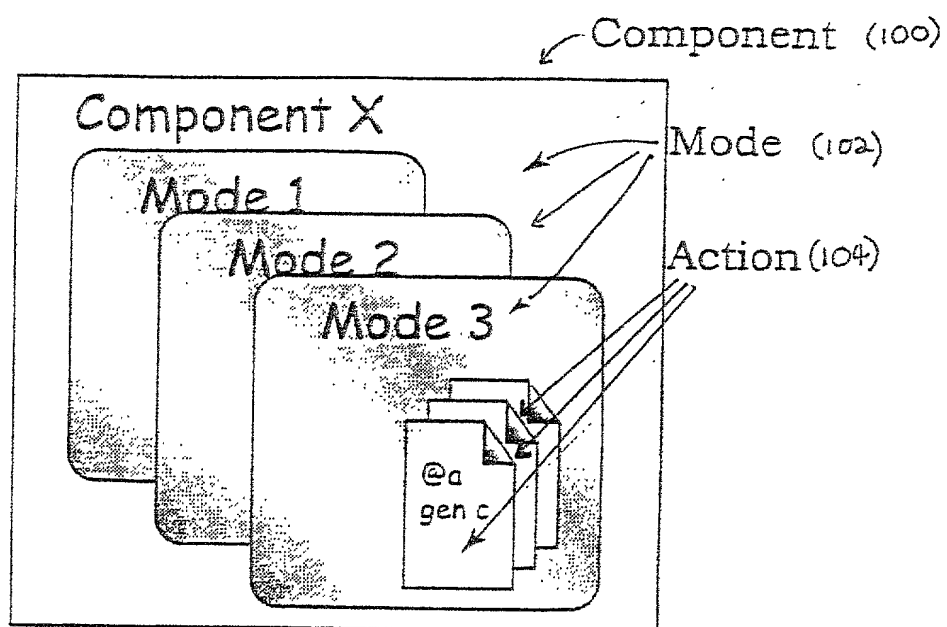


Figure 1

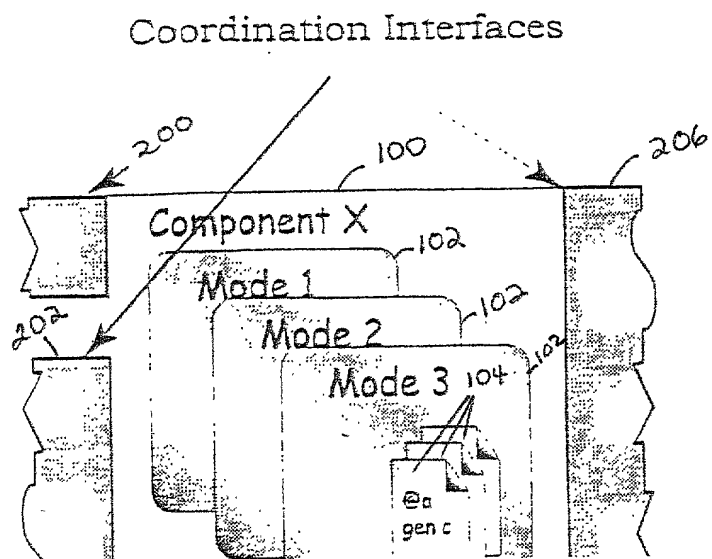


Figure 2

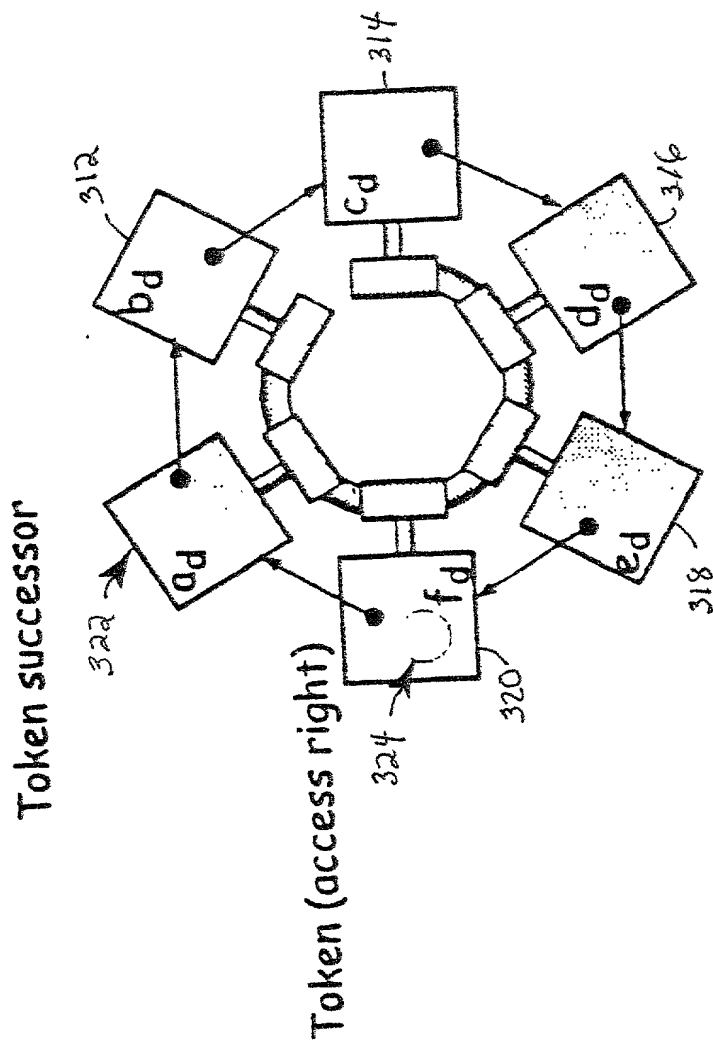


Figure 3B

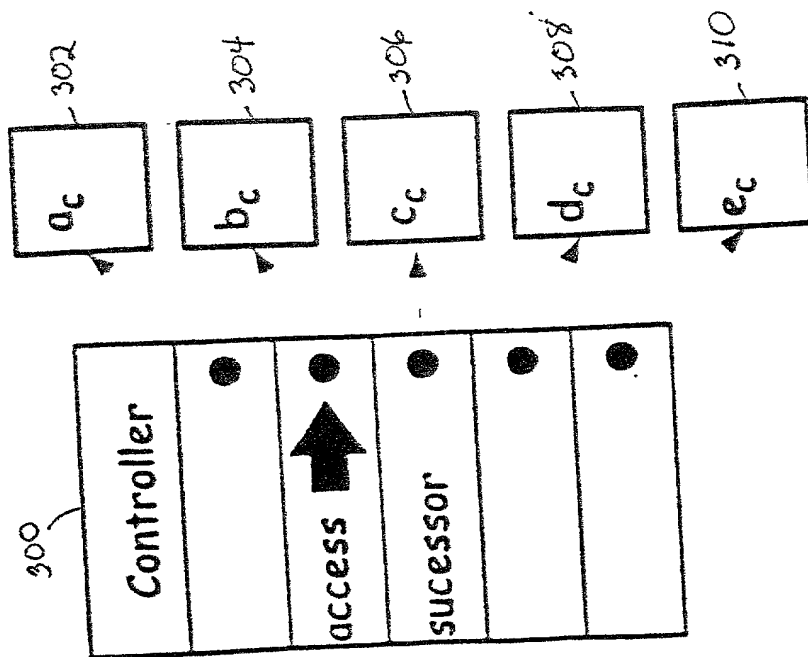


Figure 3A

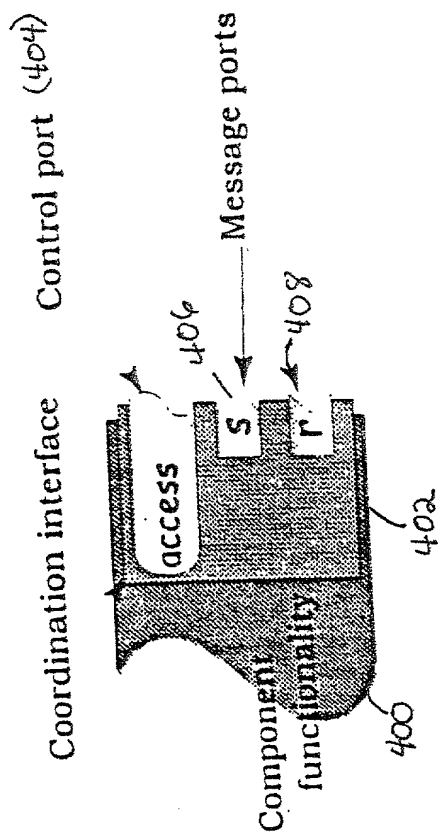


Figure 4A

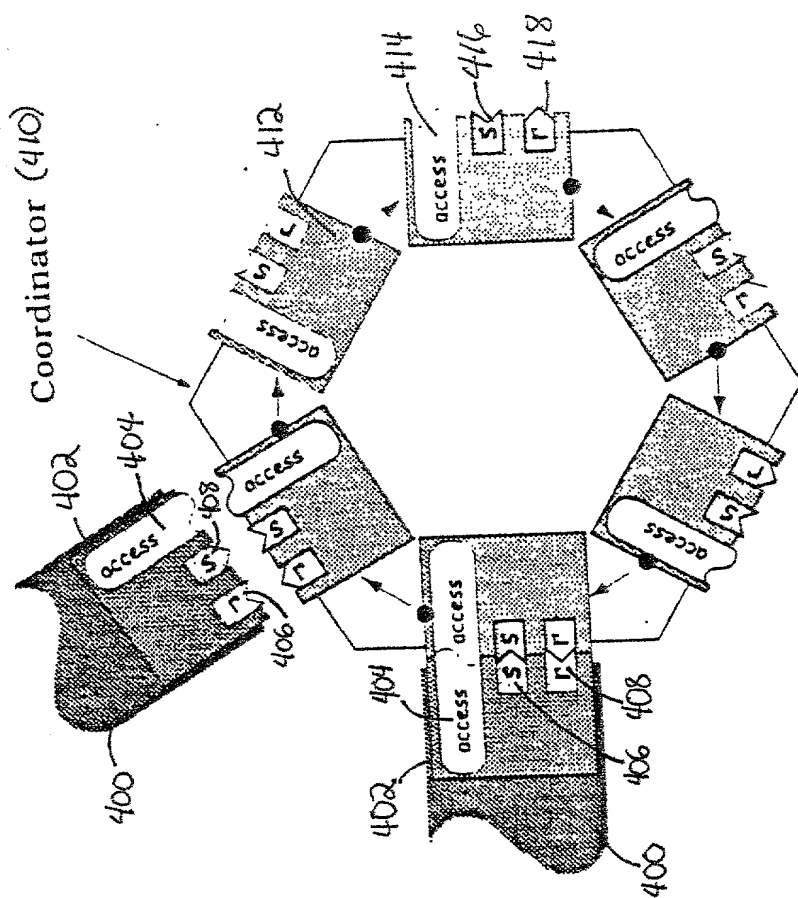


Figure 4B

09883061-062101
TOP SECRET

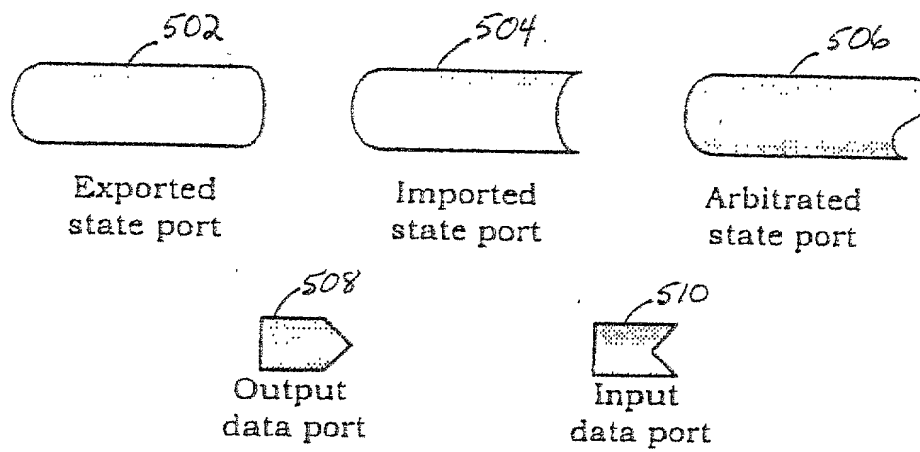


Figure 5

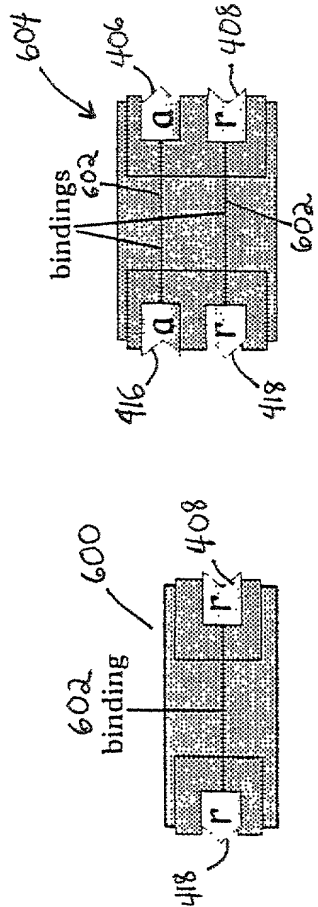


Figure 6A

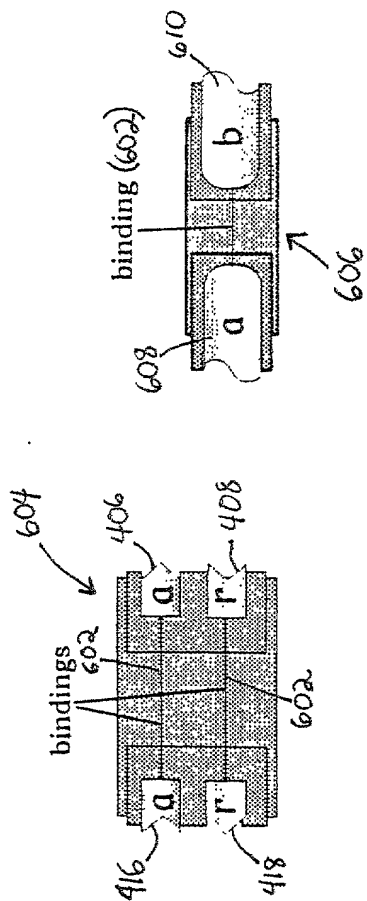


Figure 6B

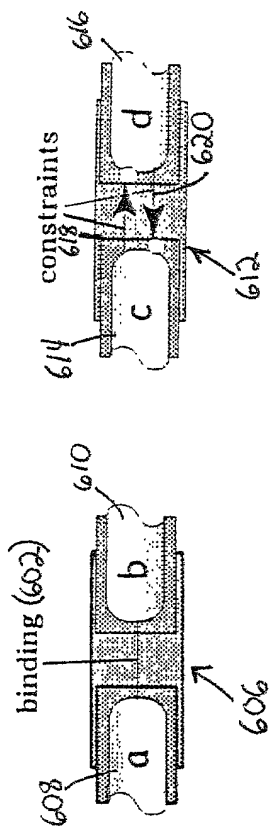


Figure 6C

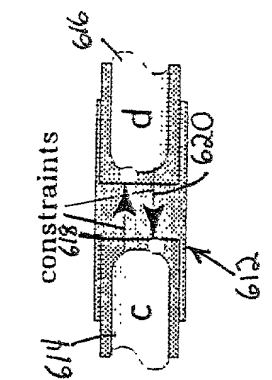


Figure 6D

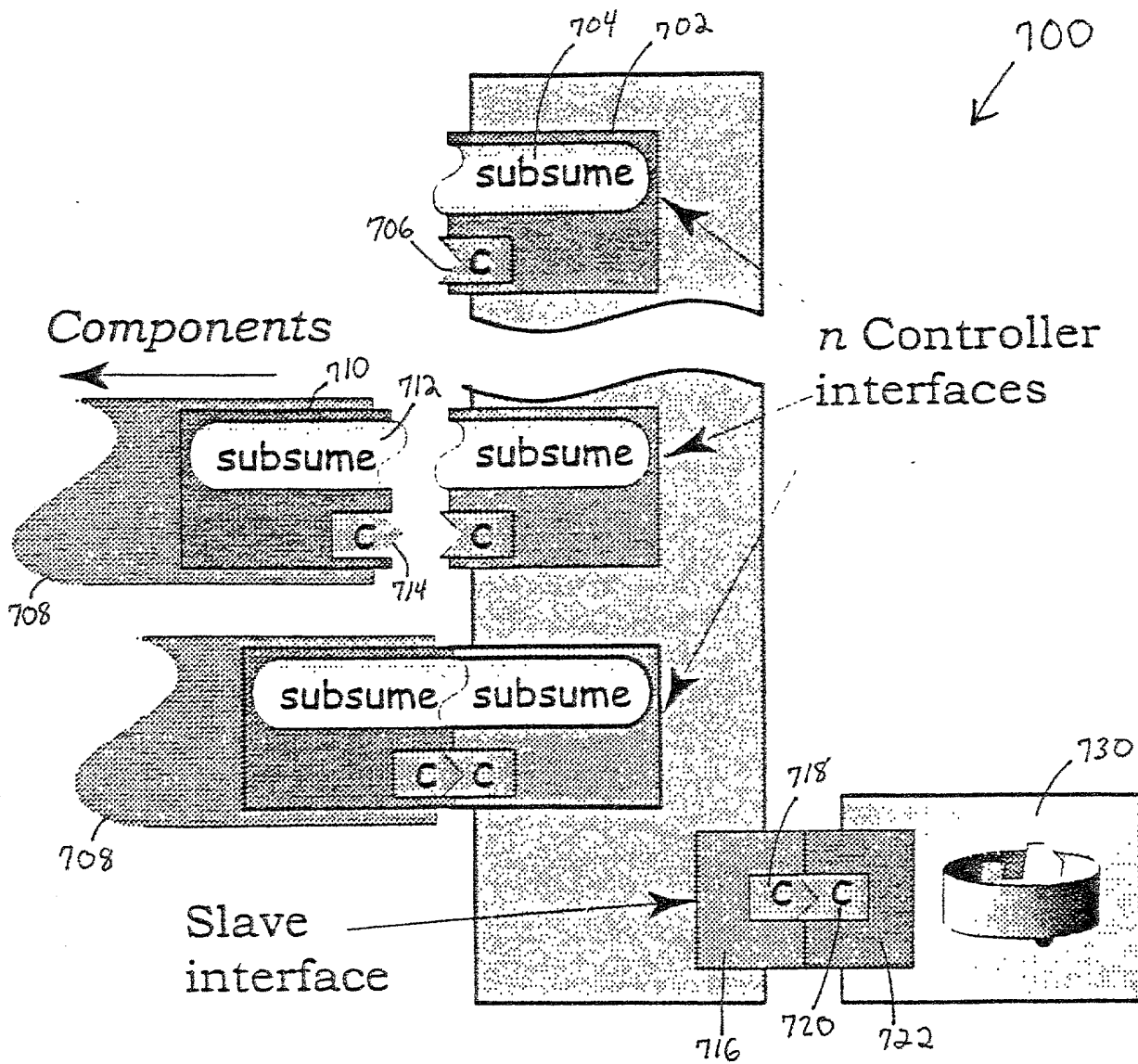


Figure 7

09888061-062101

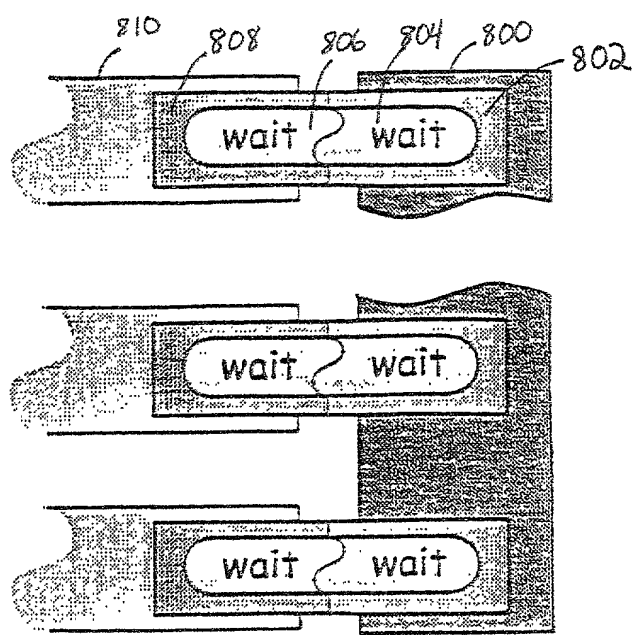


Figure 8

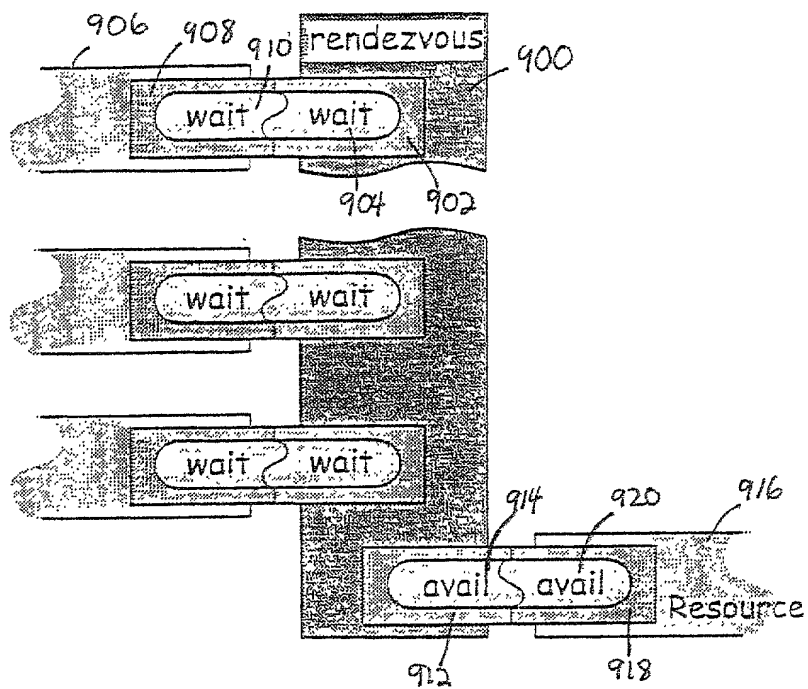


Figure 9

09888061-062101
T01290-T908860

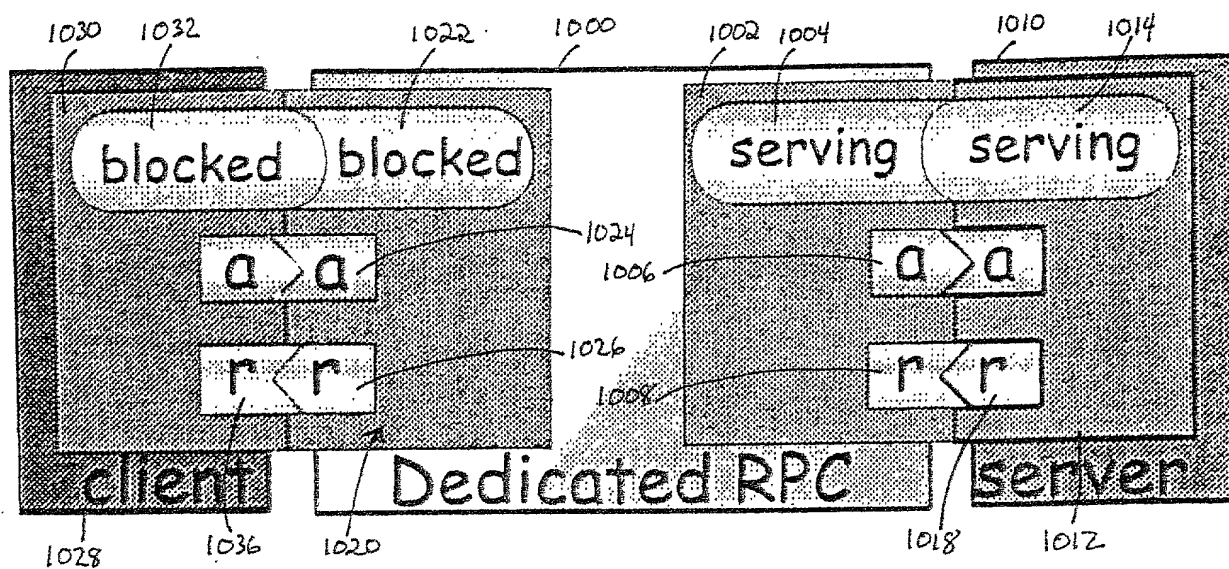


Figure 10

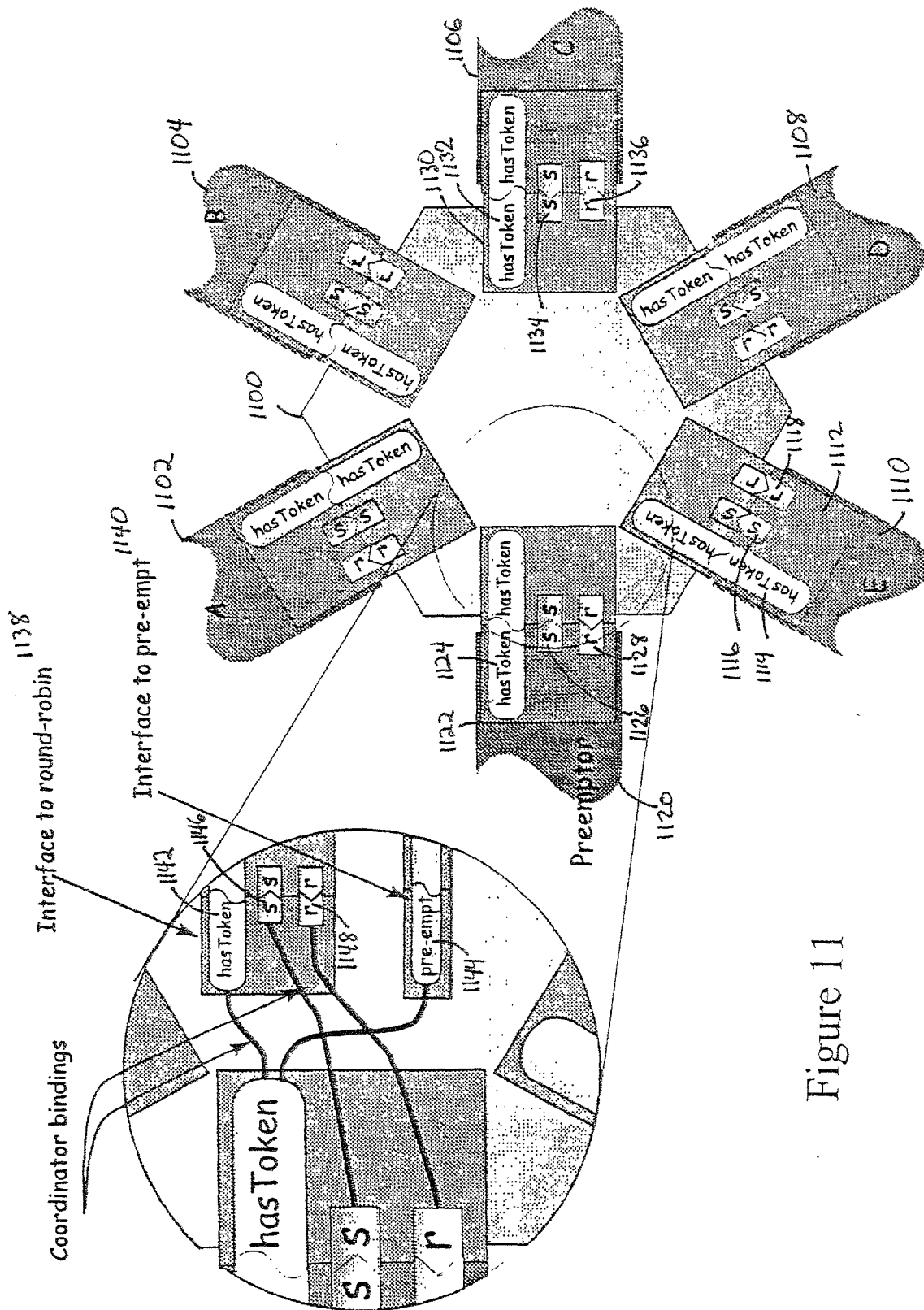


Figure 11

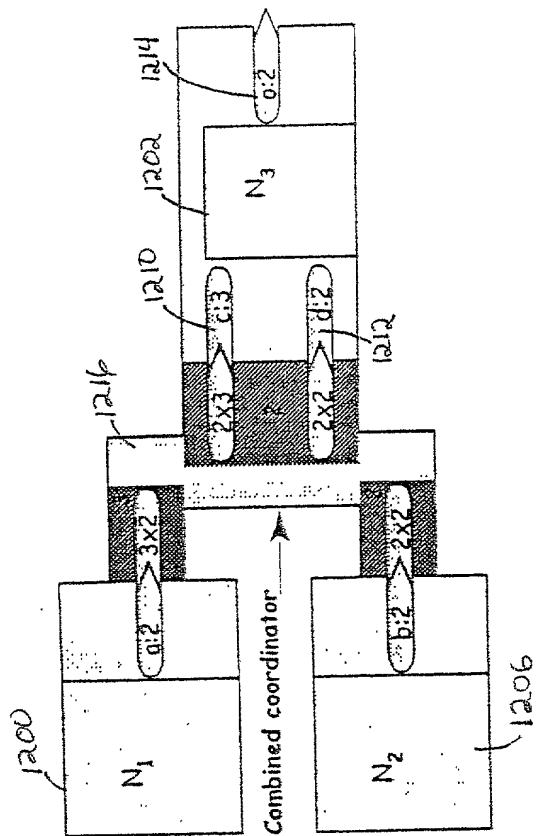


Figure 12A

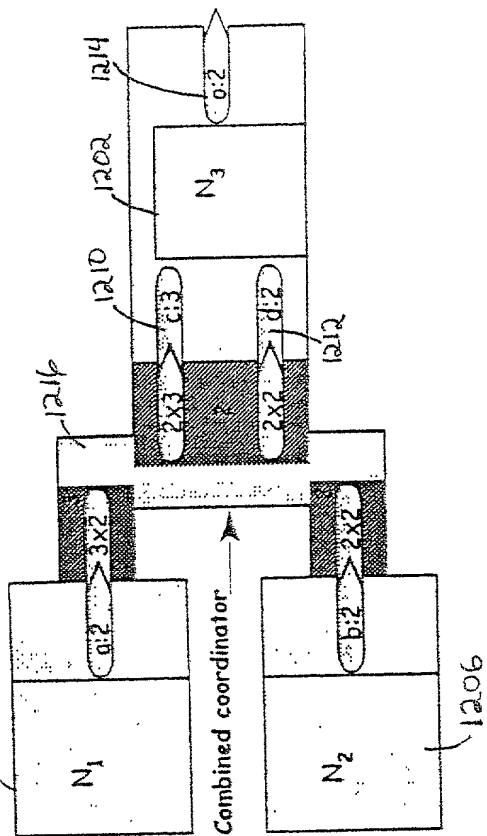


Figure 12B

09888061.062101

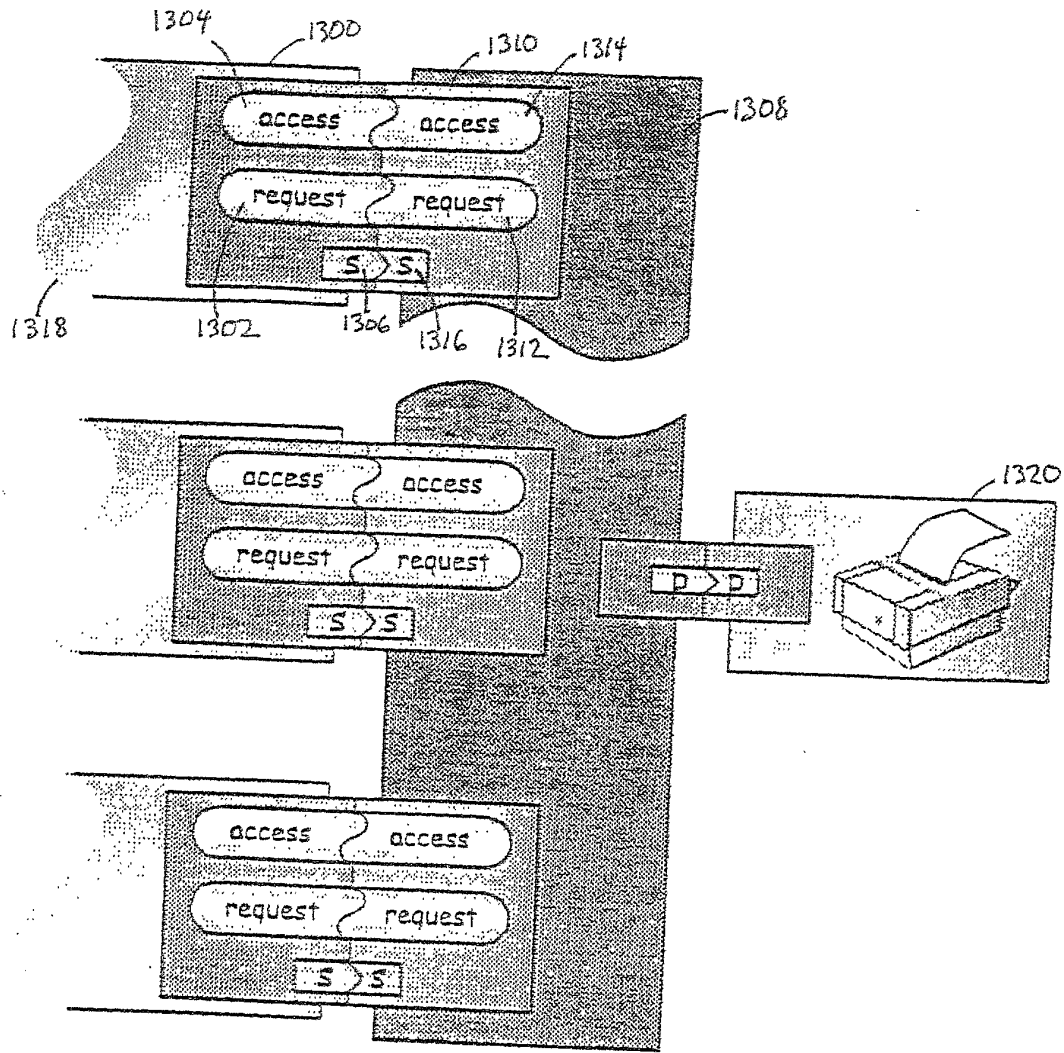


Figure 13

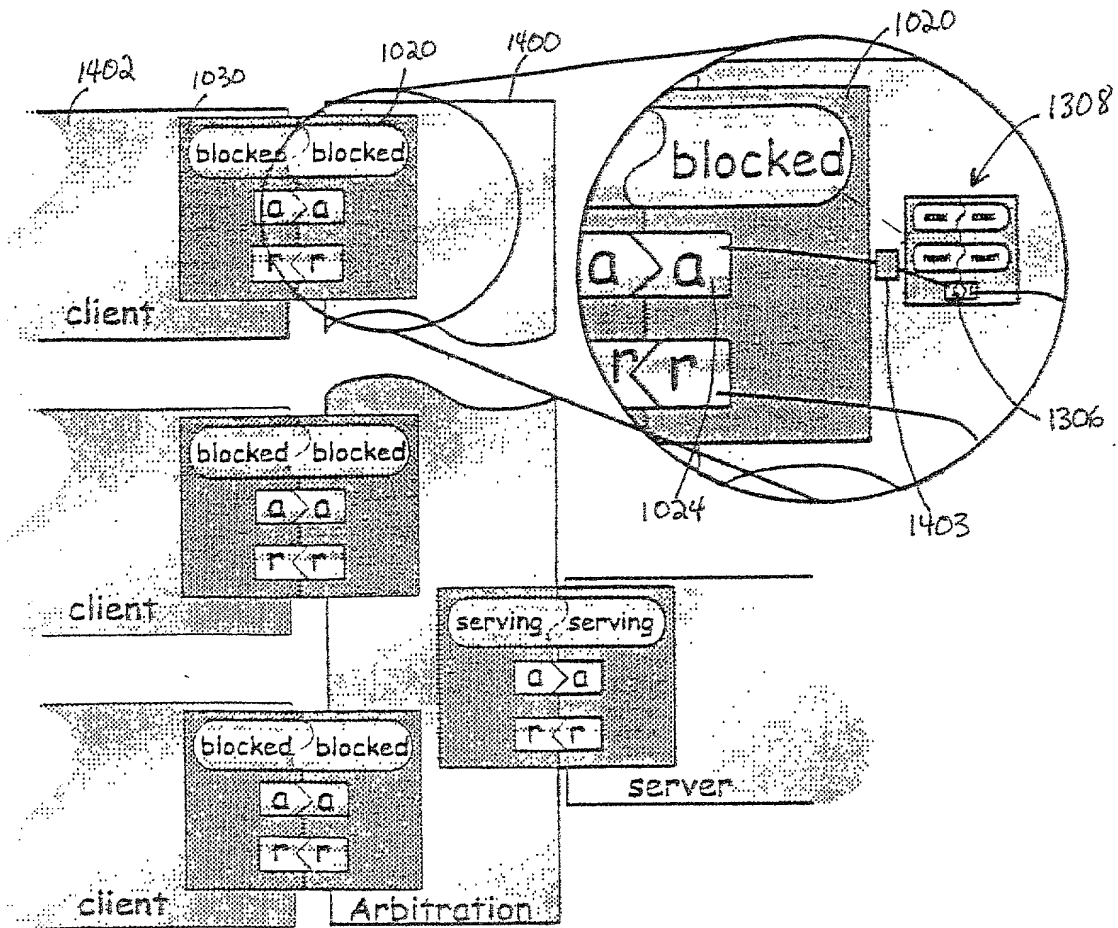


Figure 14

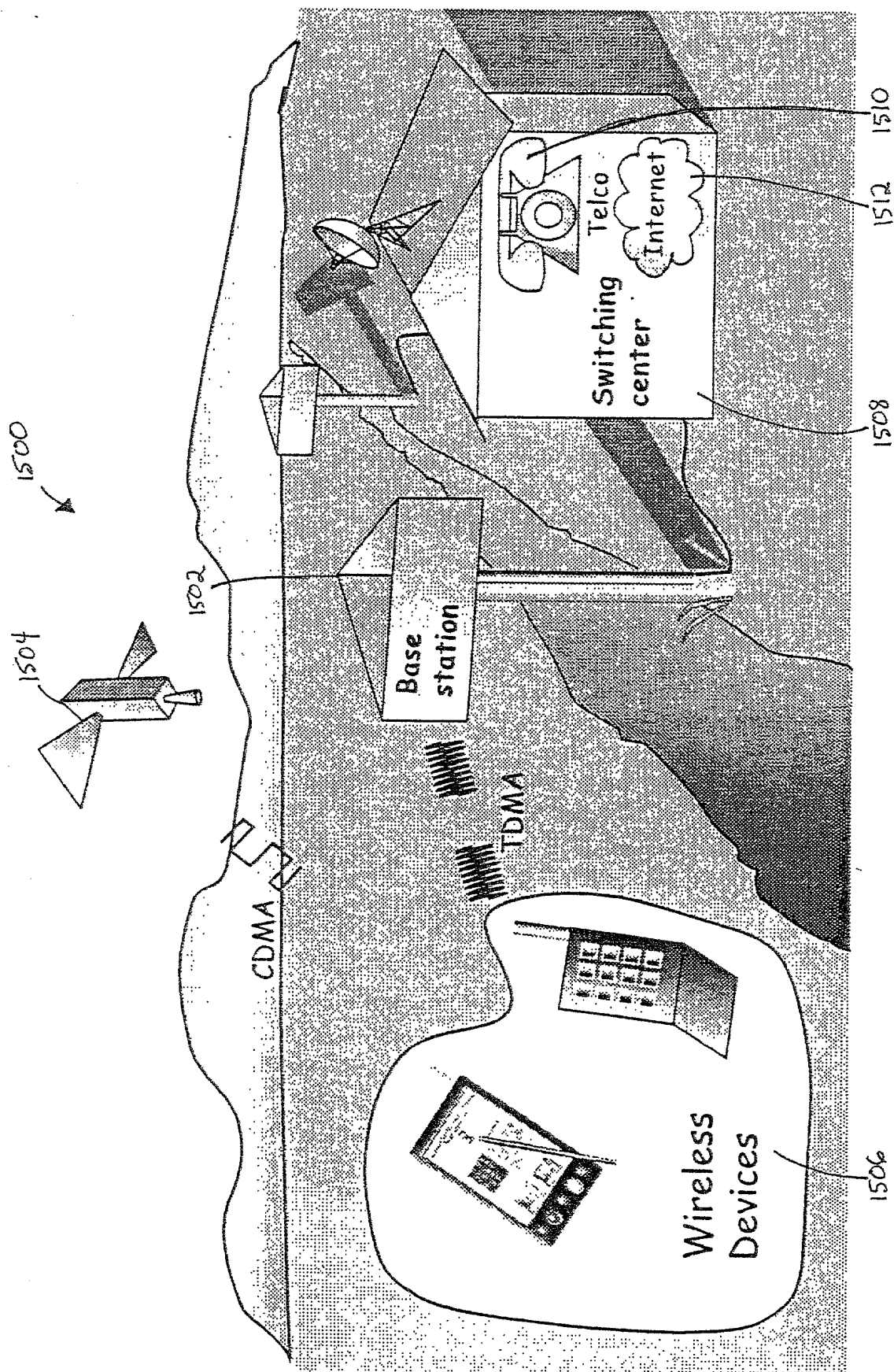


Figure 15

Figure 16

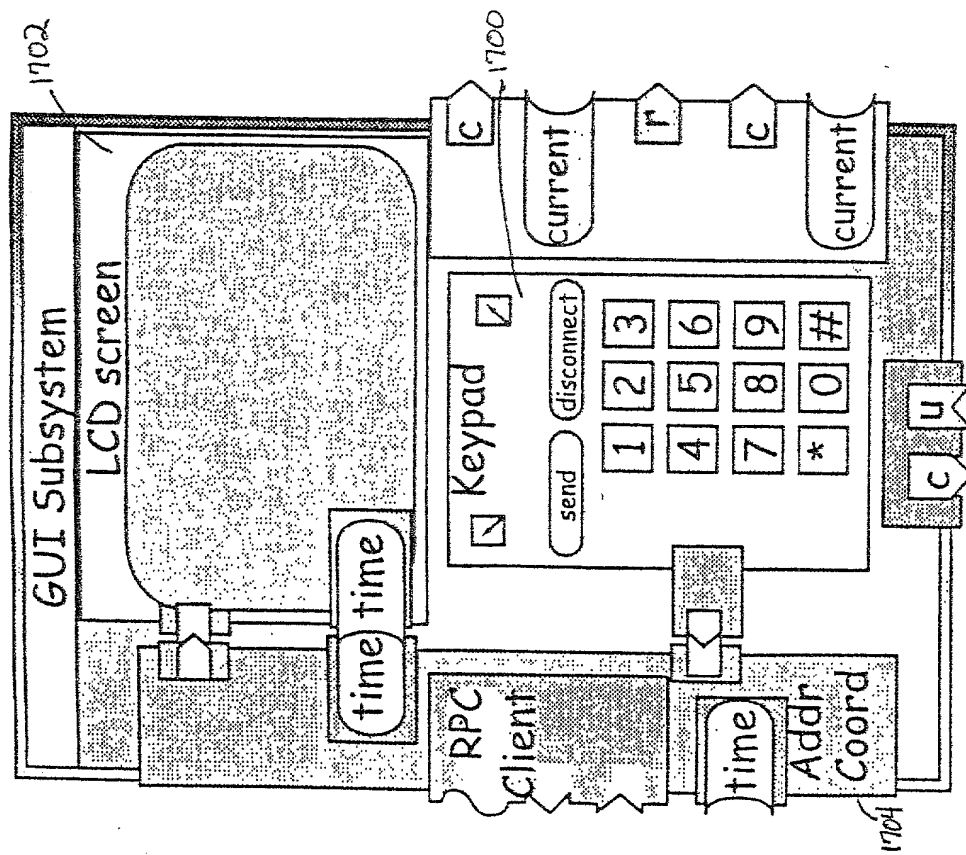


Figure 17A

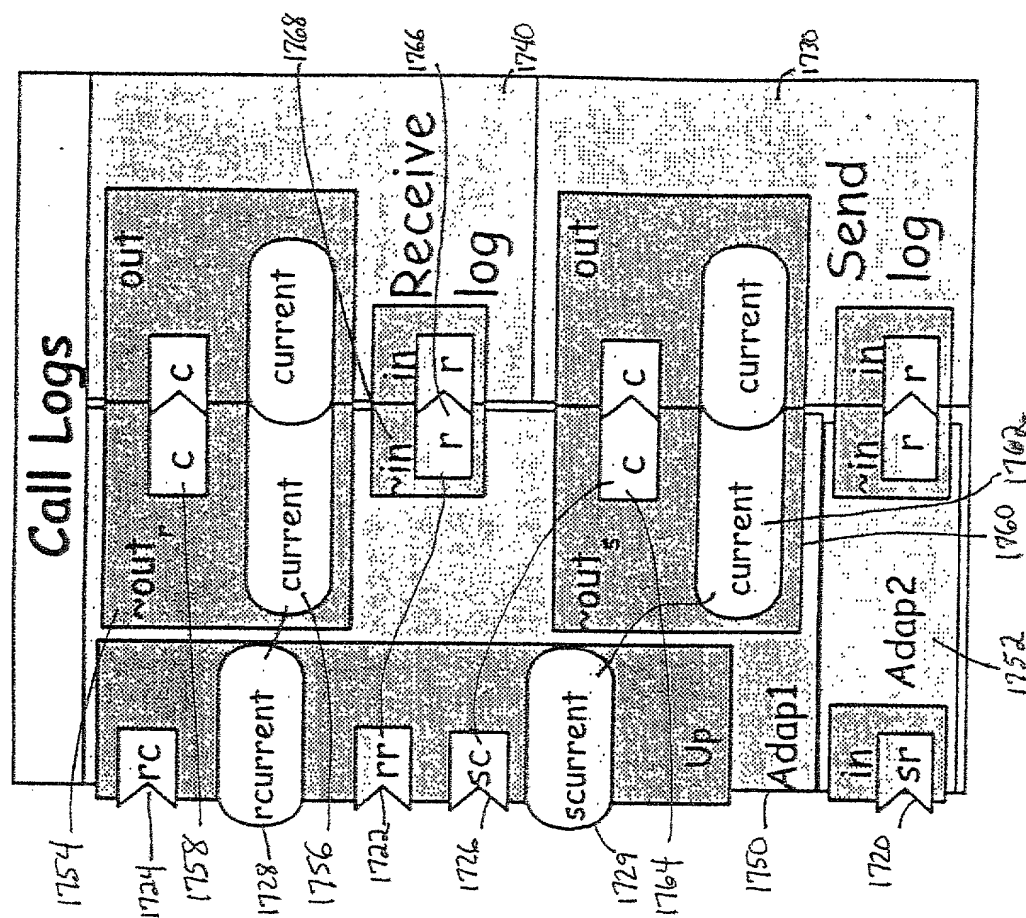


Figure 17B

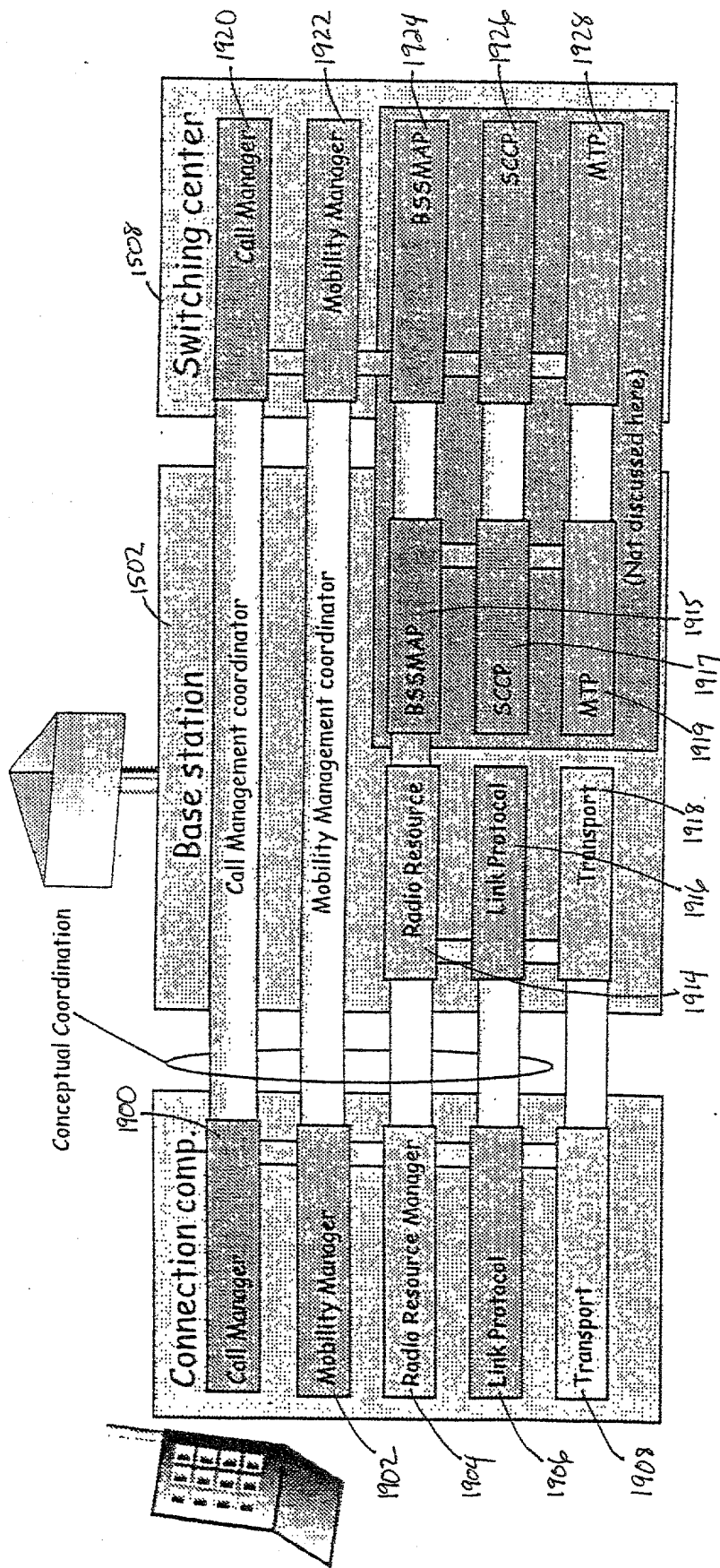


Figure 19

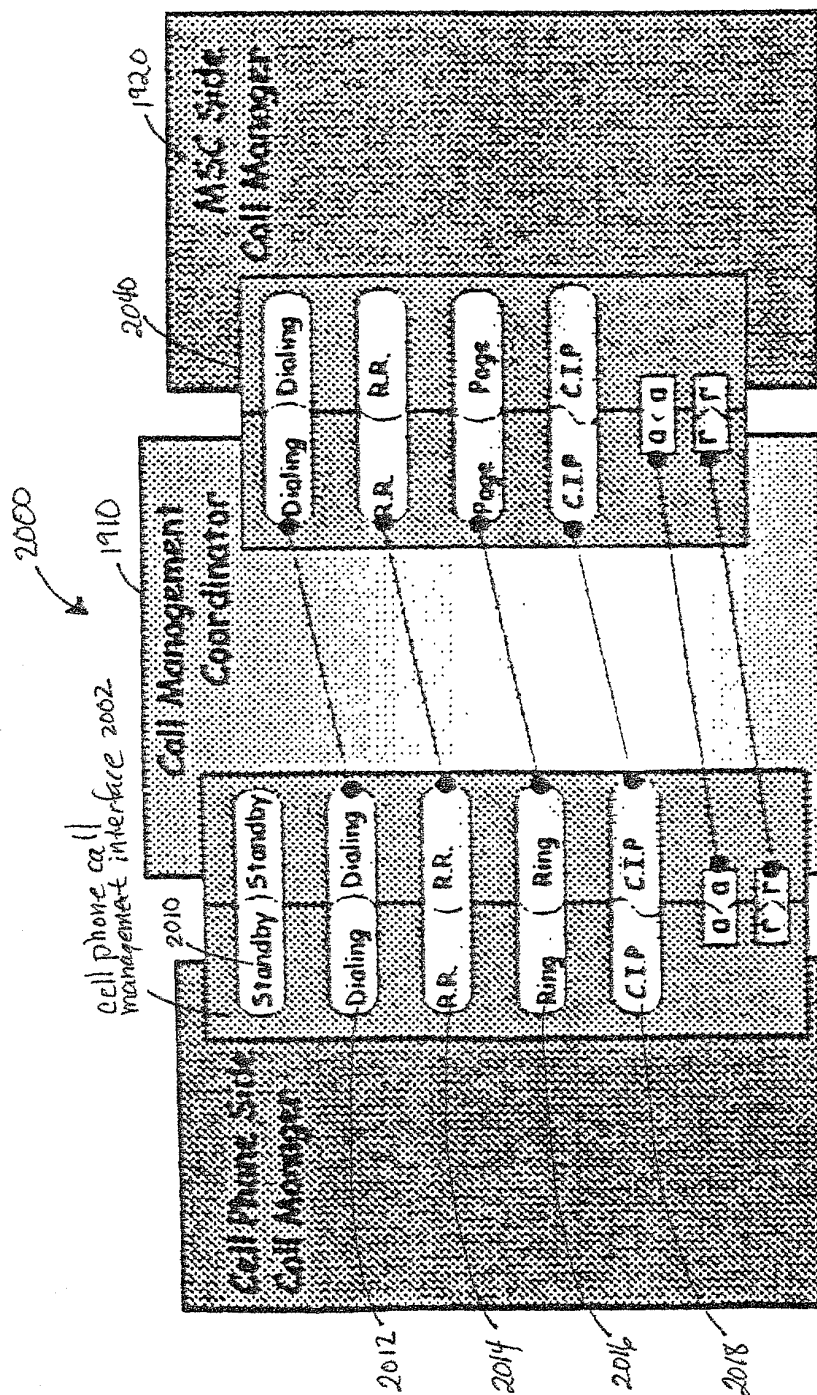


Figure 20

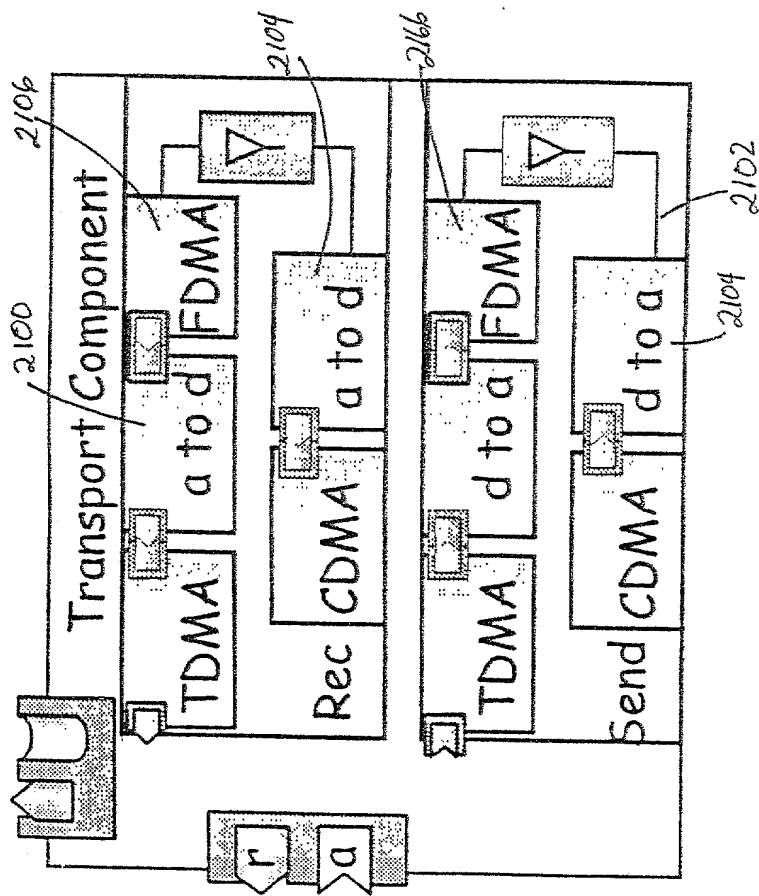


Figure 21A

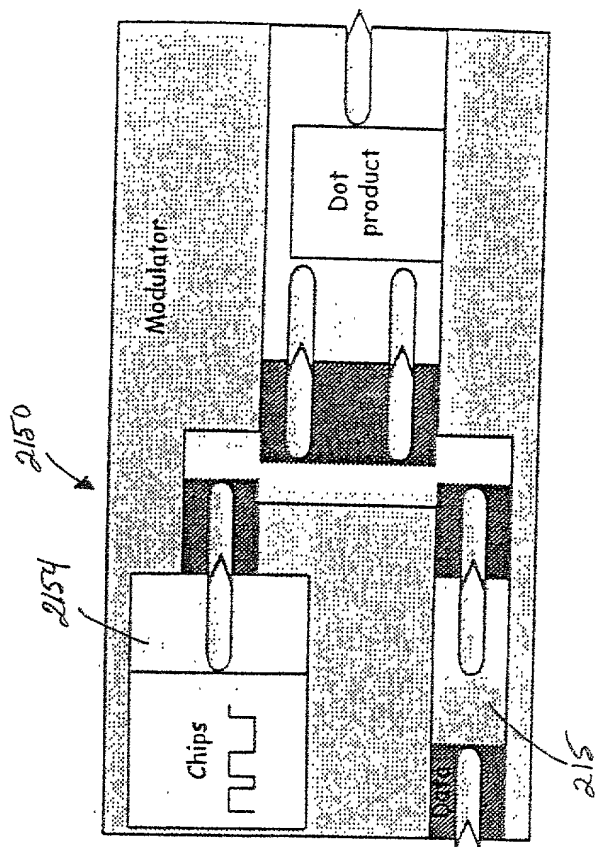


Figure 21B

09888861-063401
T0T290" 19088860

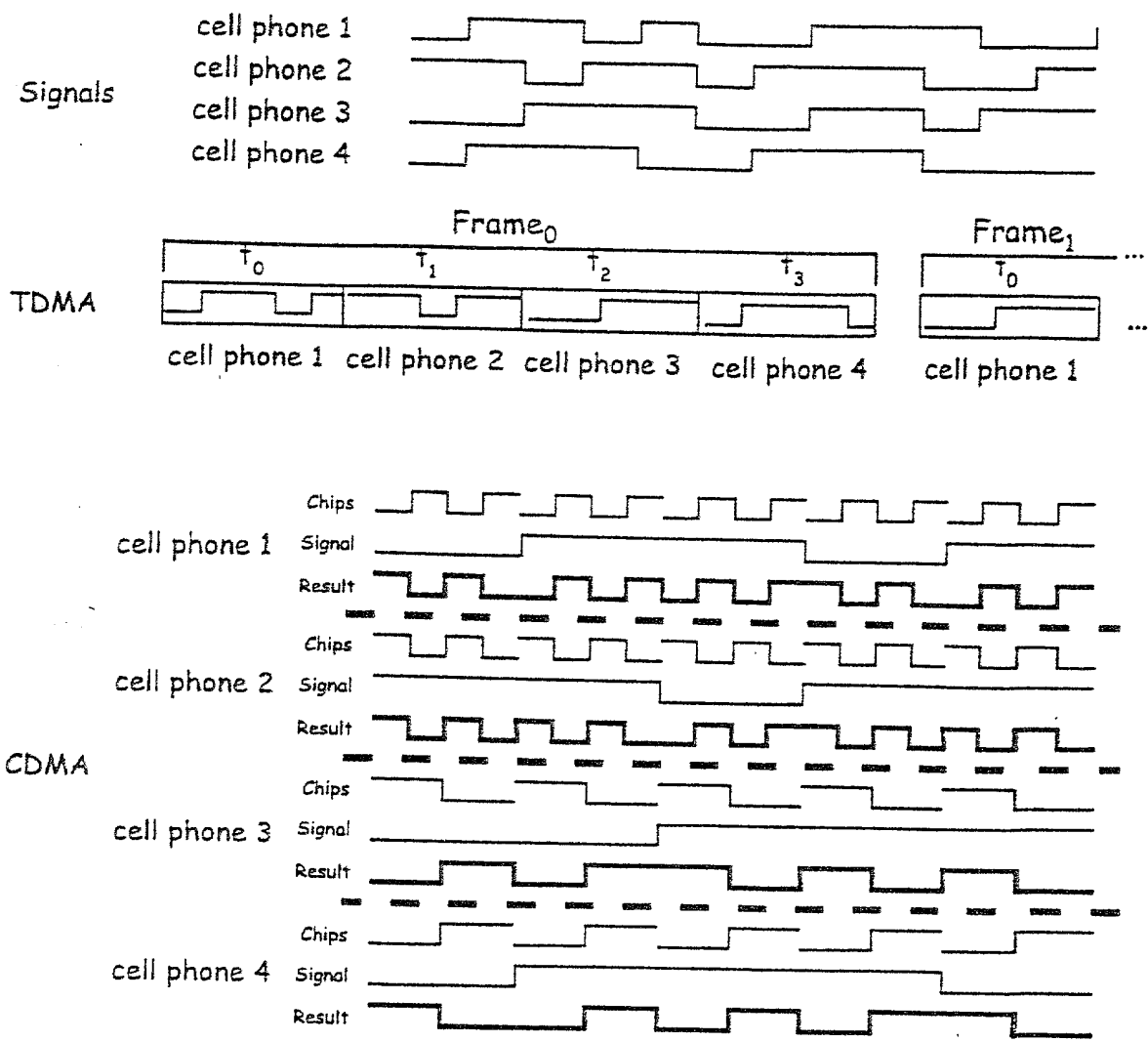


Figure 22

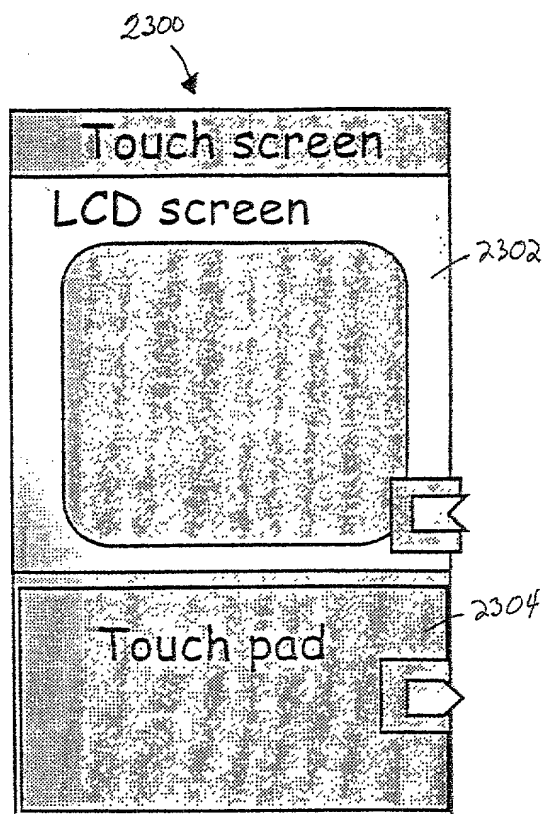


Figure 23A

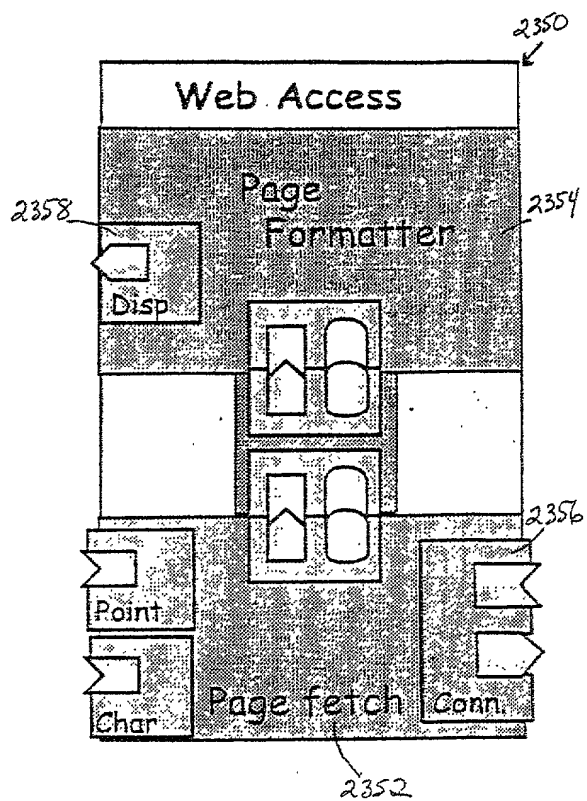


Figure 23B

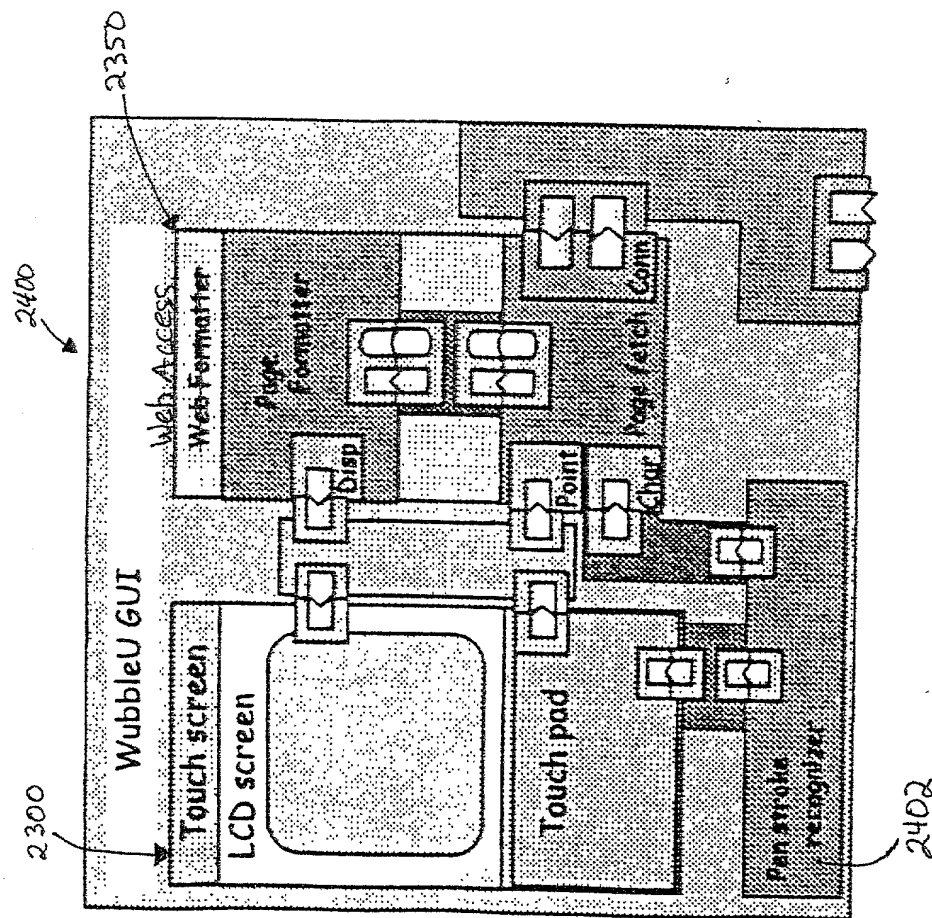


Figure 24A

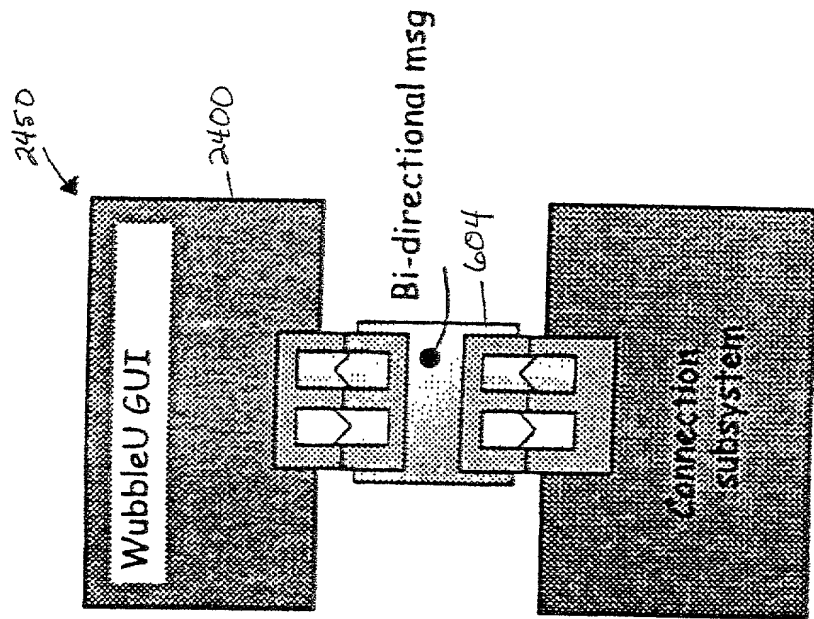


Figure 24B

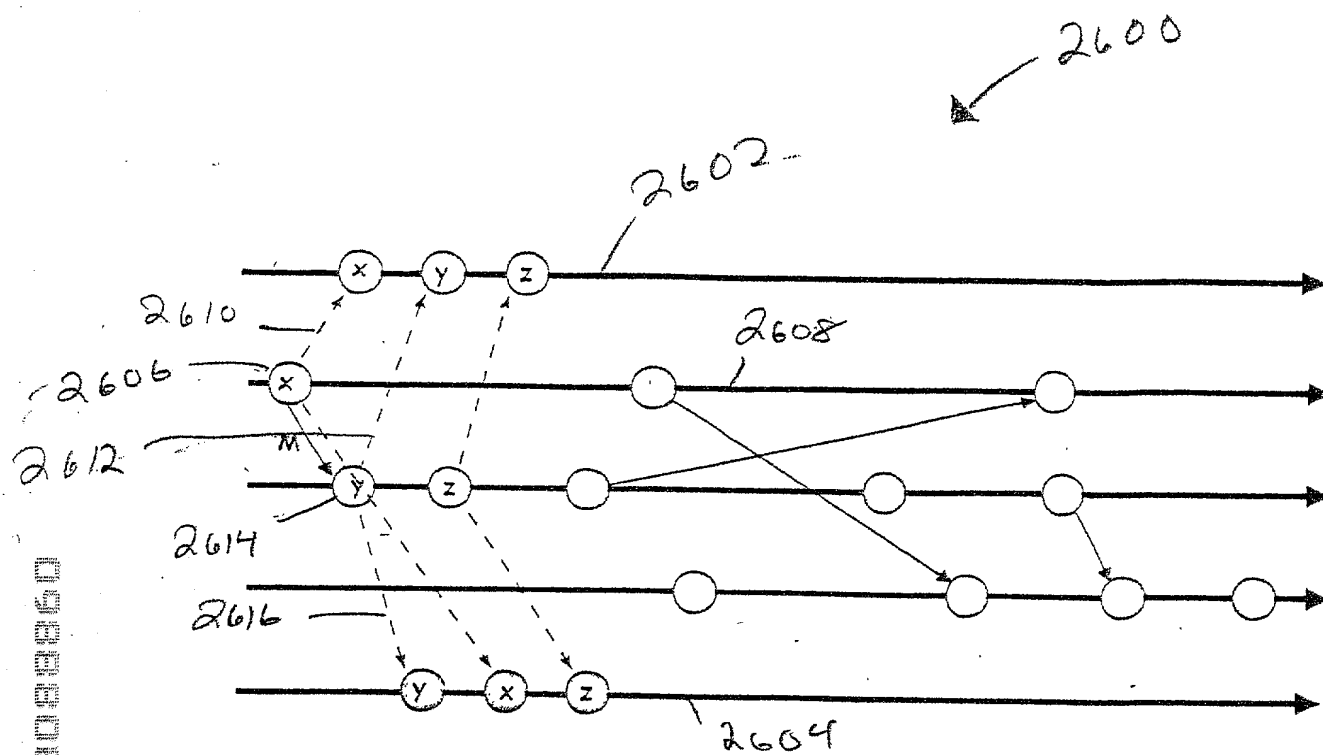


Figure 26

(prior art)

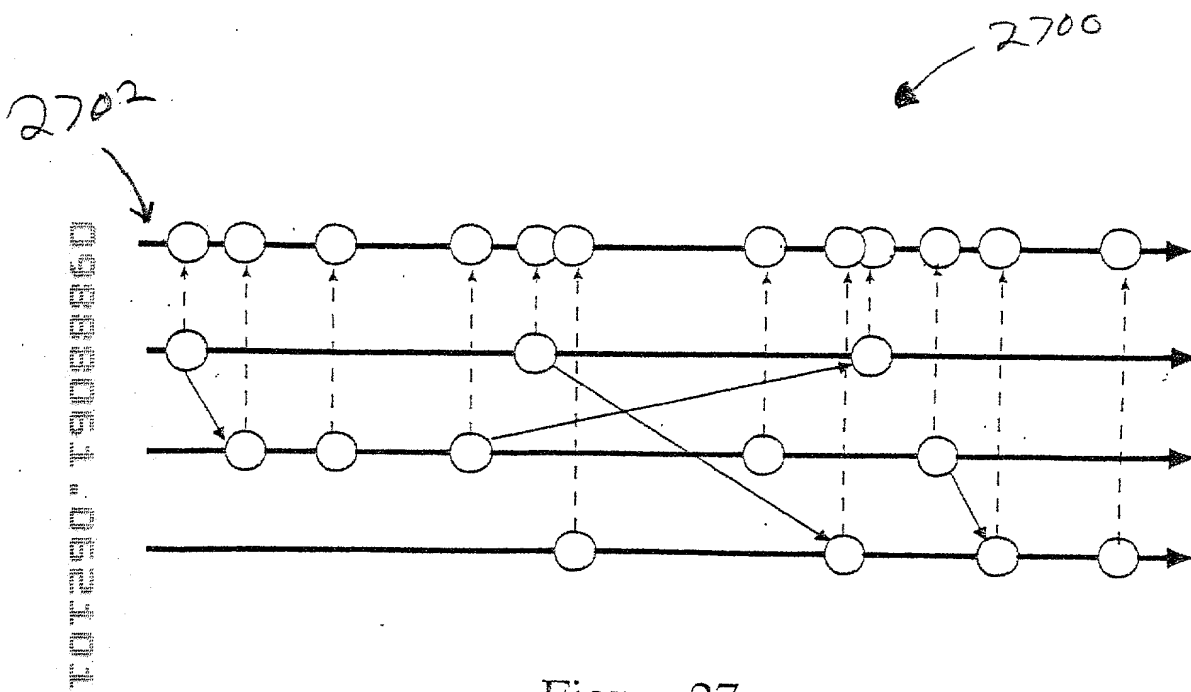


Figure 27

(prior art)

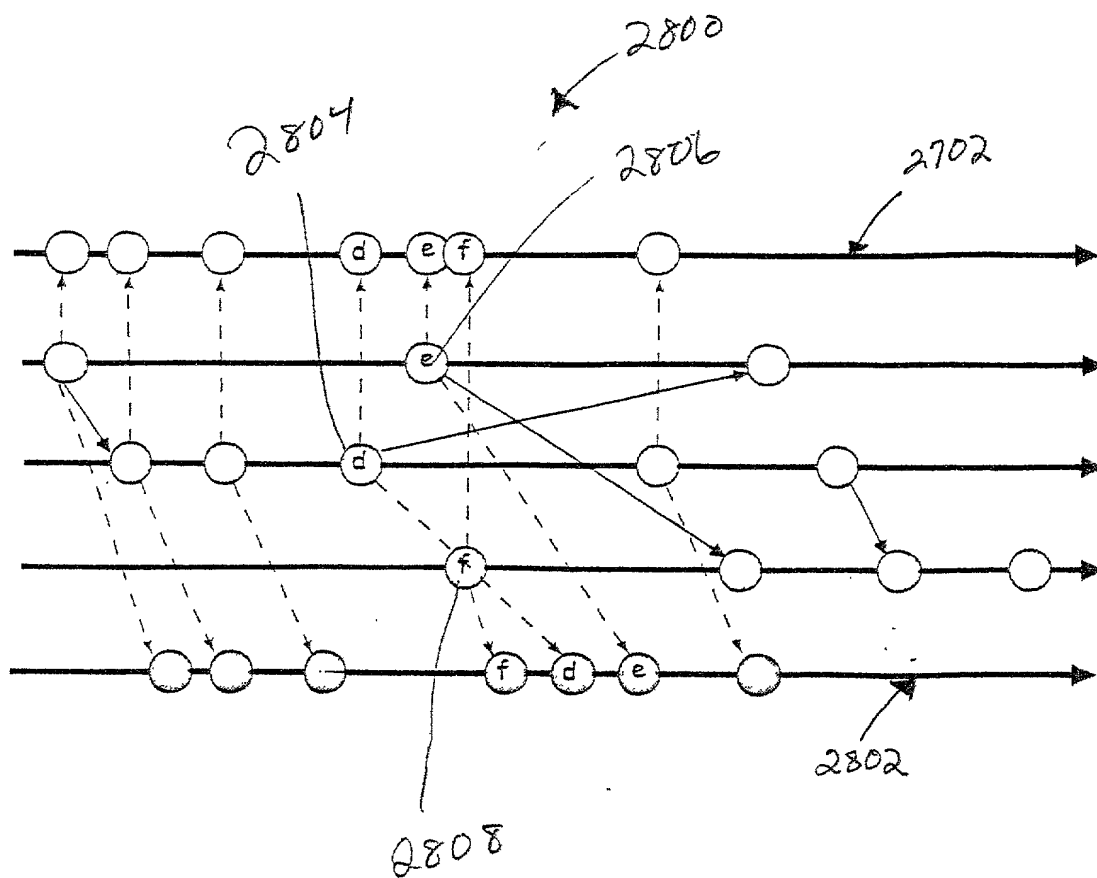


Figure 28

(prior art)

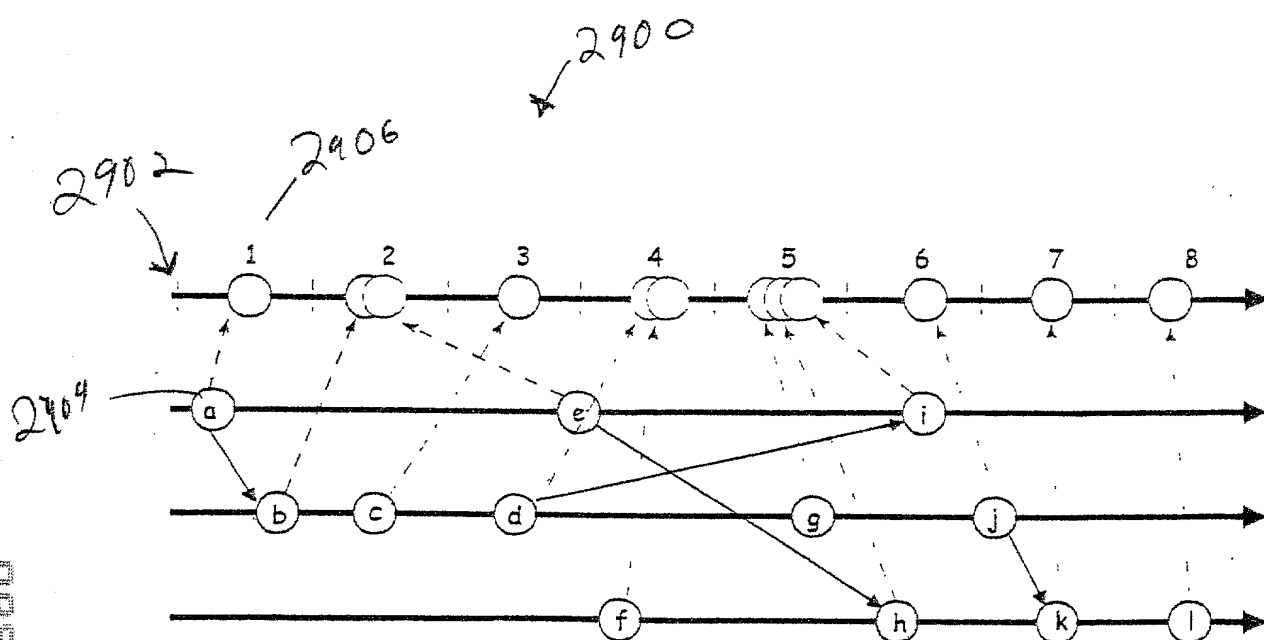


Figure 29

(prior art)

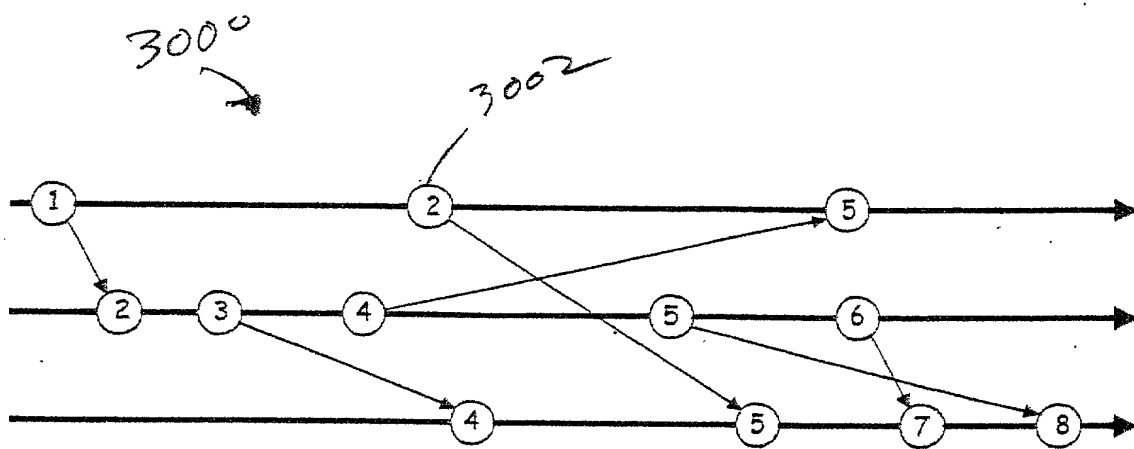


Figure 30

(prior art)

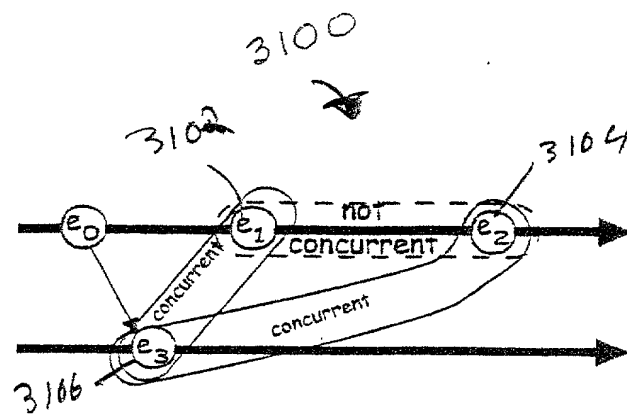


Figure 31

(prior art)

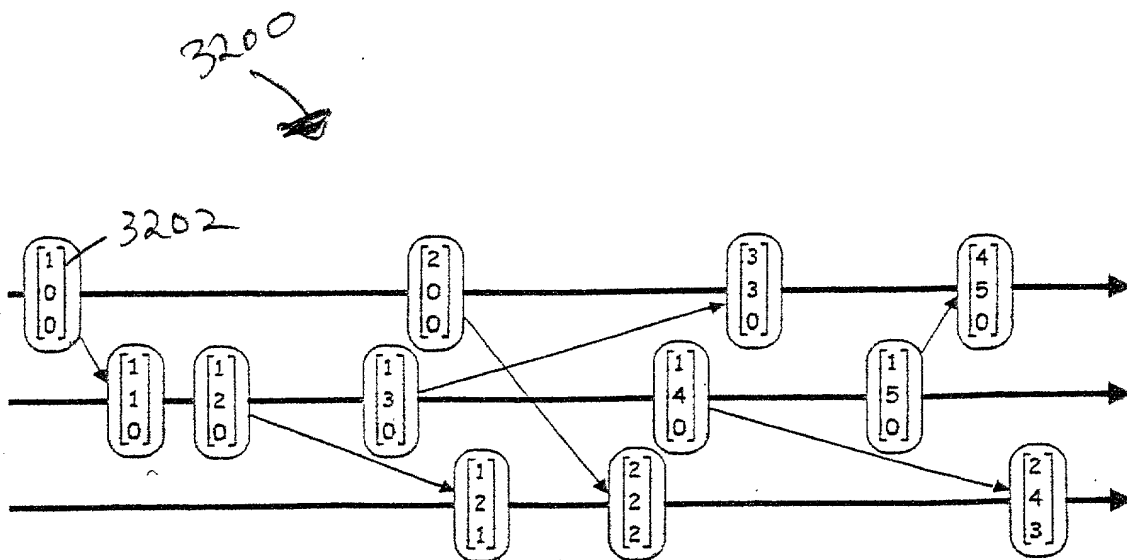


Figure 32

(prior art)

3300

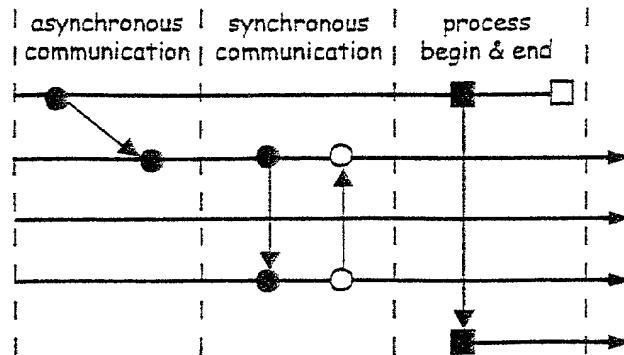


Figure 33

(prior art)

0988061.062101

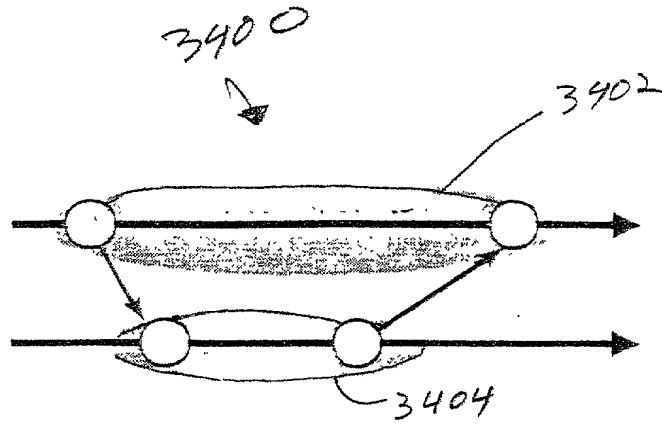


Figure 34

(prior art)

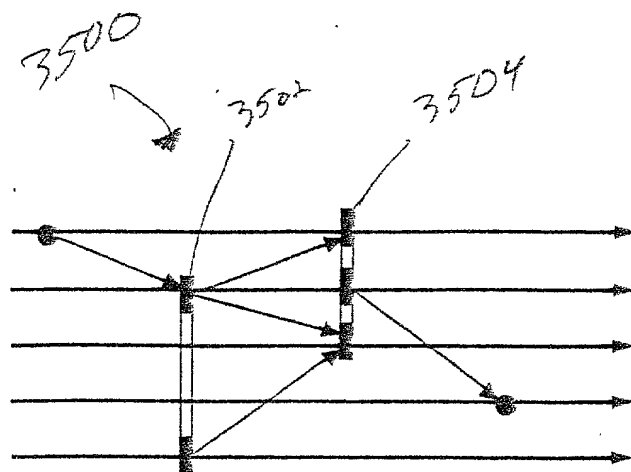


Figure 35

(prior art)

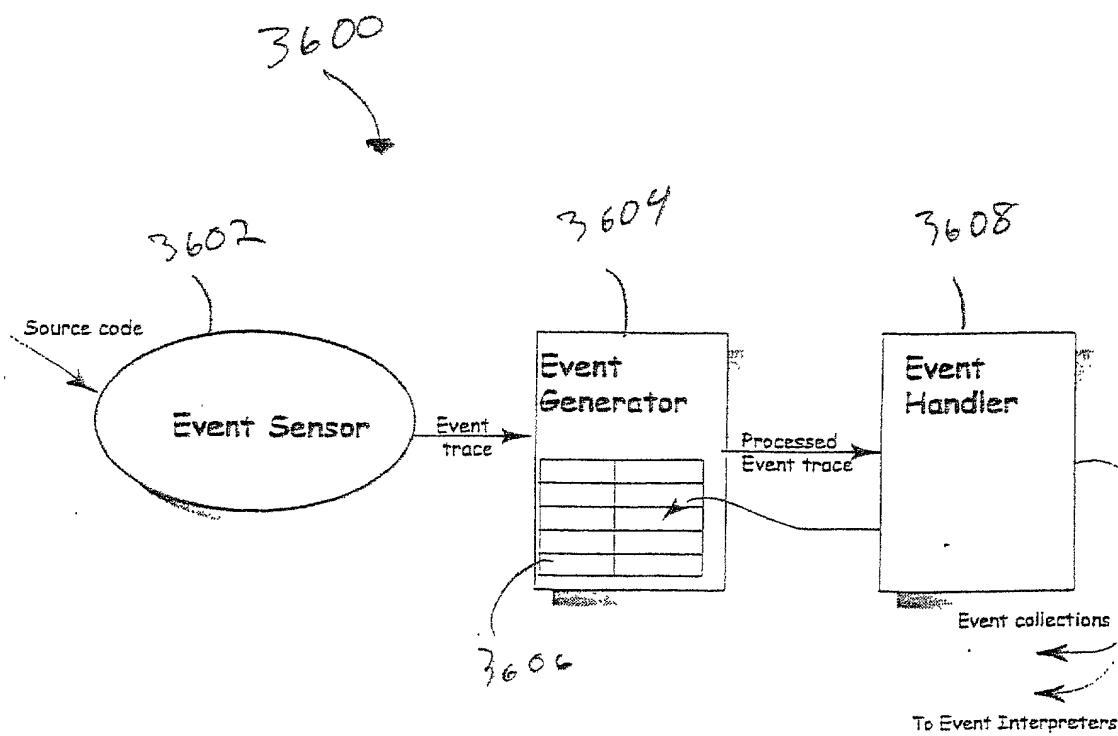


Figure 36

(prior art)

09888061-062101

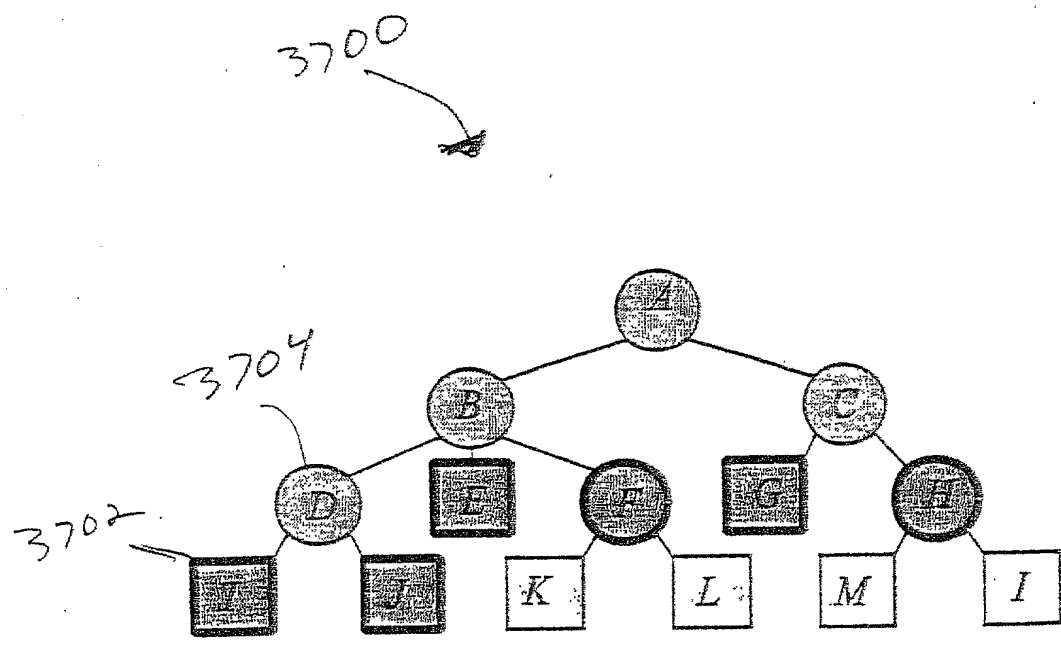
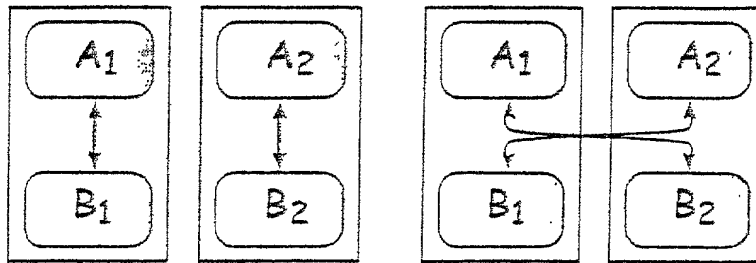


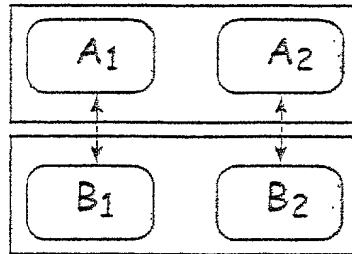
Figure 37

(prior art)



(a) Cohesion(P) = 1.0
Coupling(P) = 0.5

(b) Cohesion(P) = 0.0
Coupling(P) = 1.0



(c) Cohesion(P) = 1.0
Coupling(P) = 0.5

Figure 38

(prior art)

09888061.062101
FD290" 79088860

3900

first cut 3902

second cut 3904

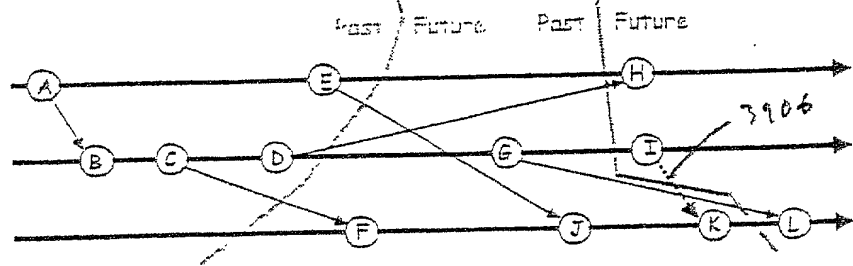


Figure 39

(prior art)

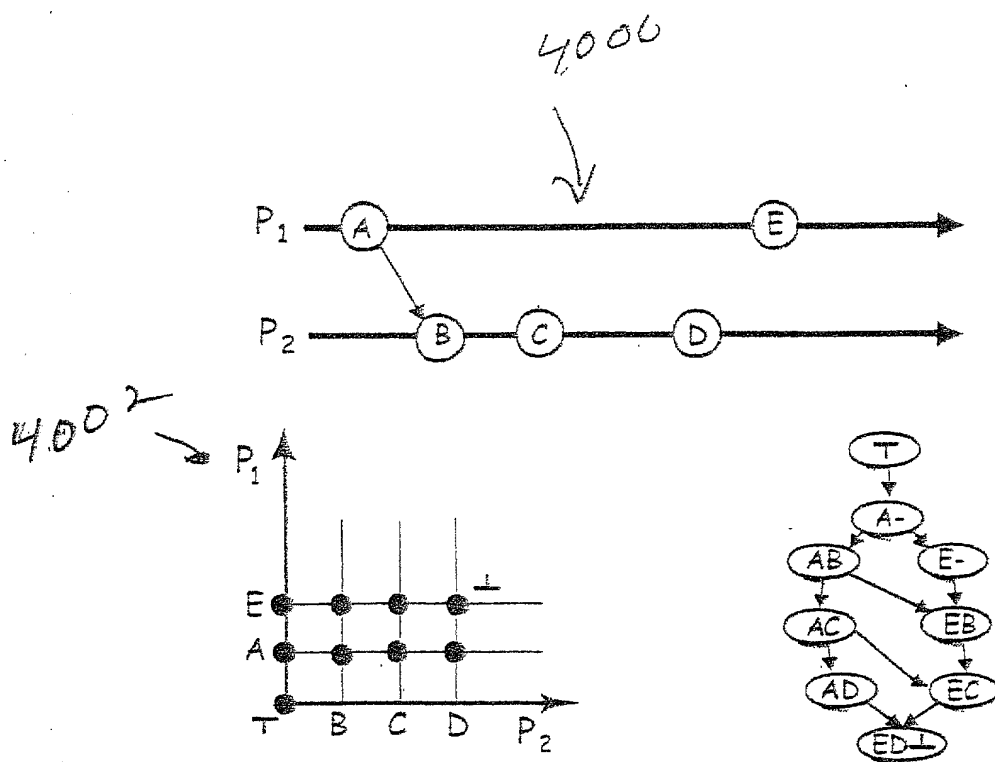


Figure 40

(prior art)

09888061.062101
TOT290" F908880

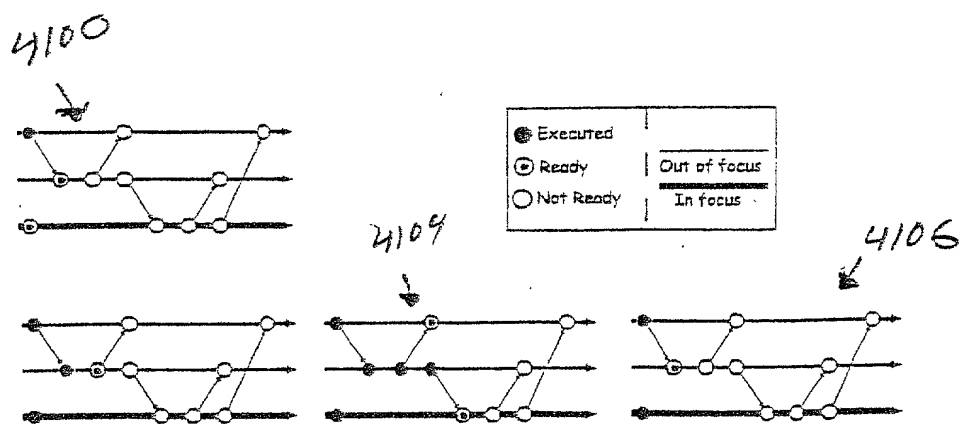


Figure 41

(prior art)

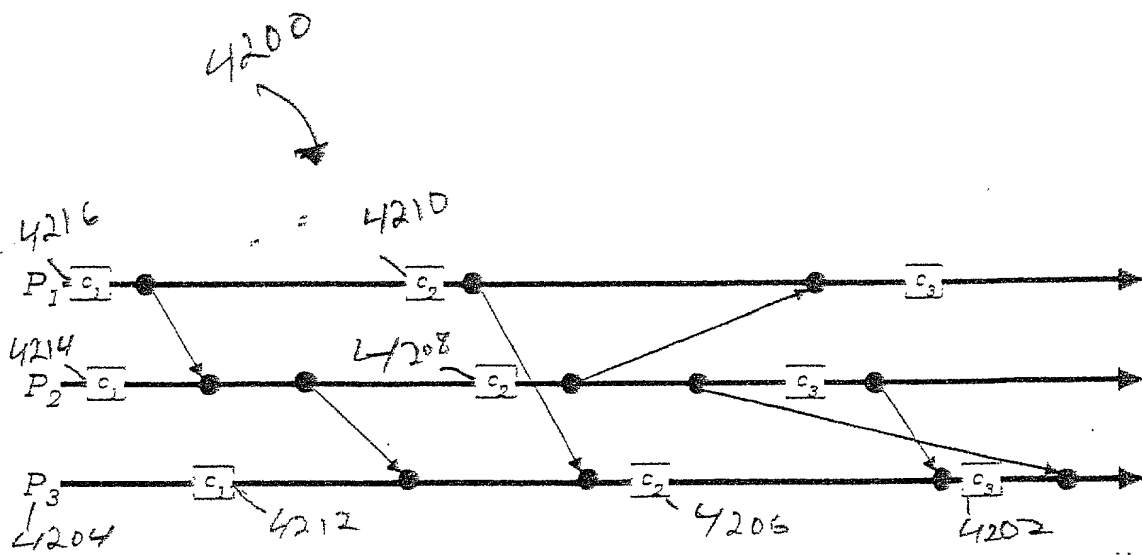


Figure 42

(prior art)

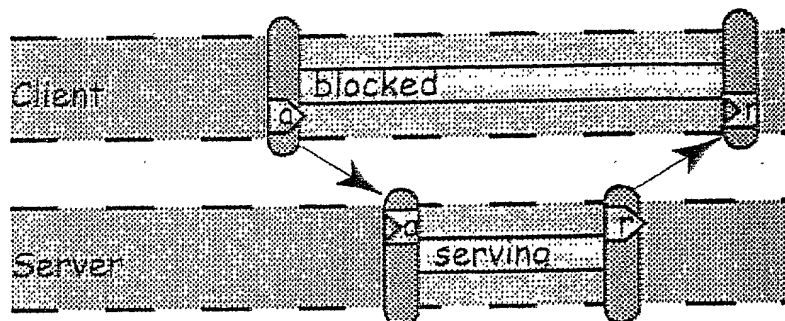
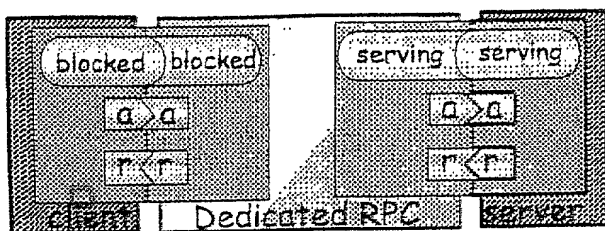


Figure 43

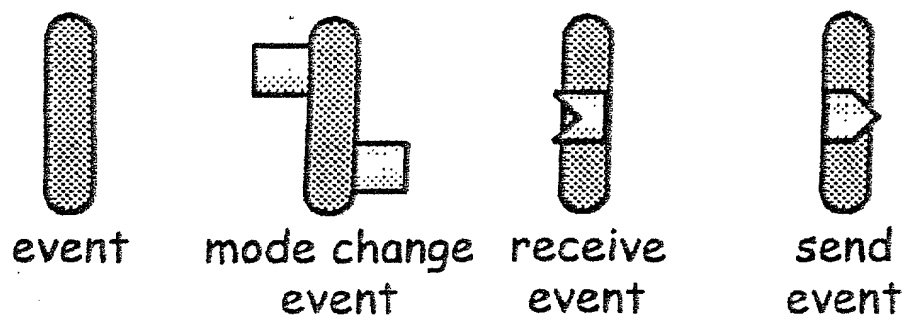


Figure 44

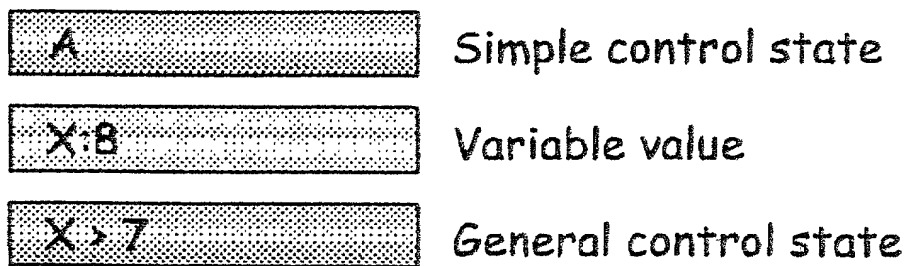


Figure 45

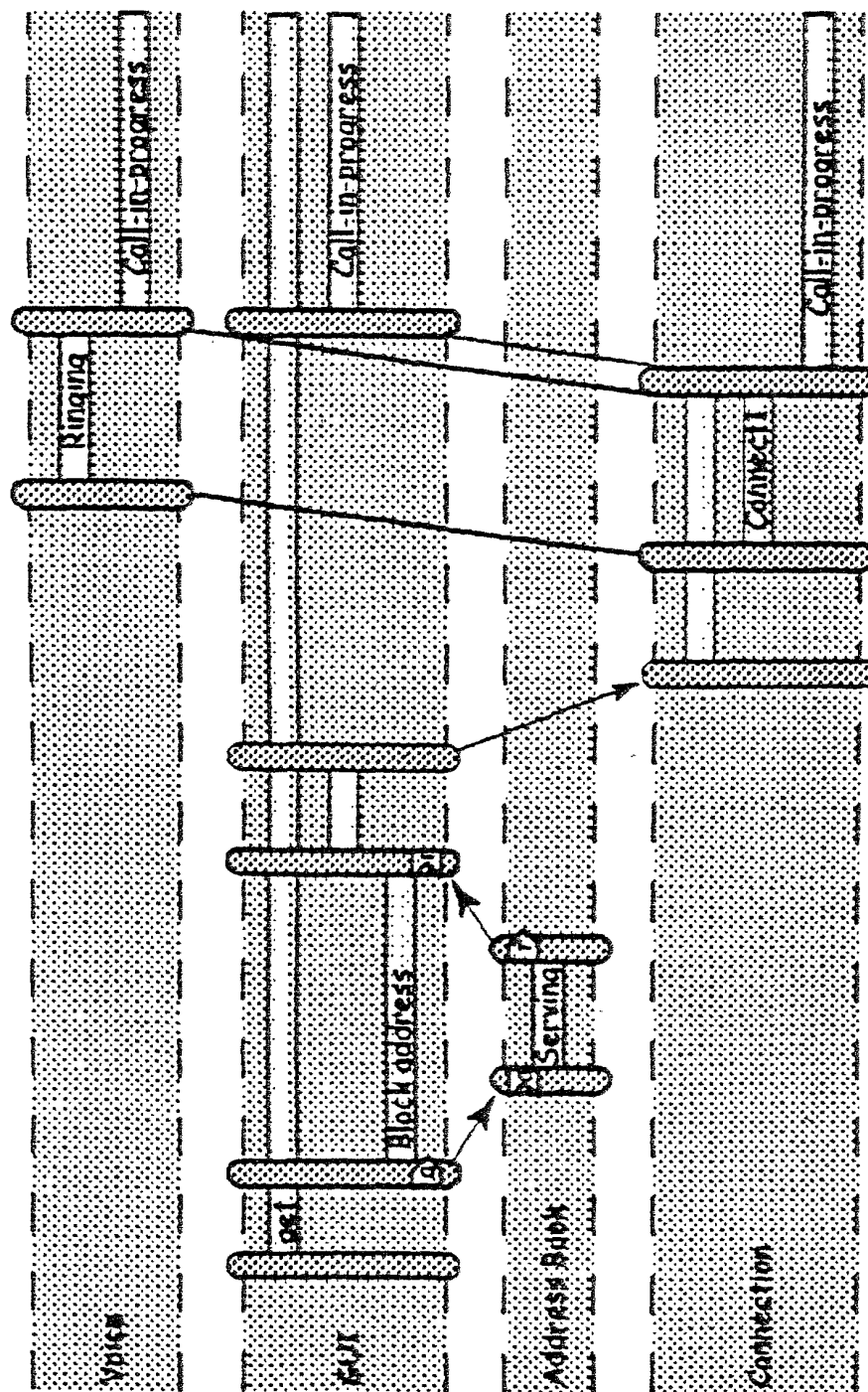


Figure 46

Note: "Ringing" mode missing

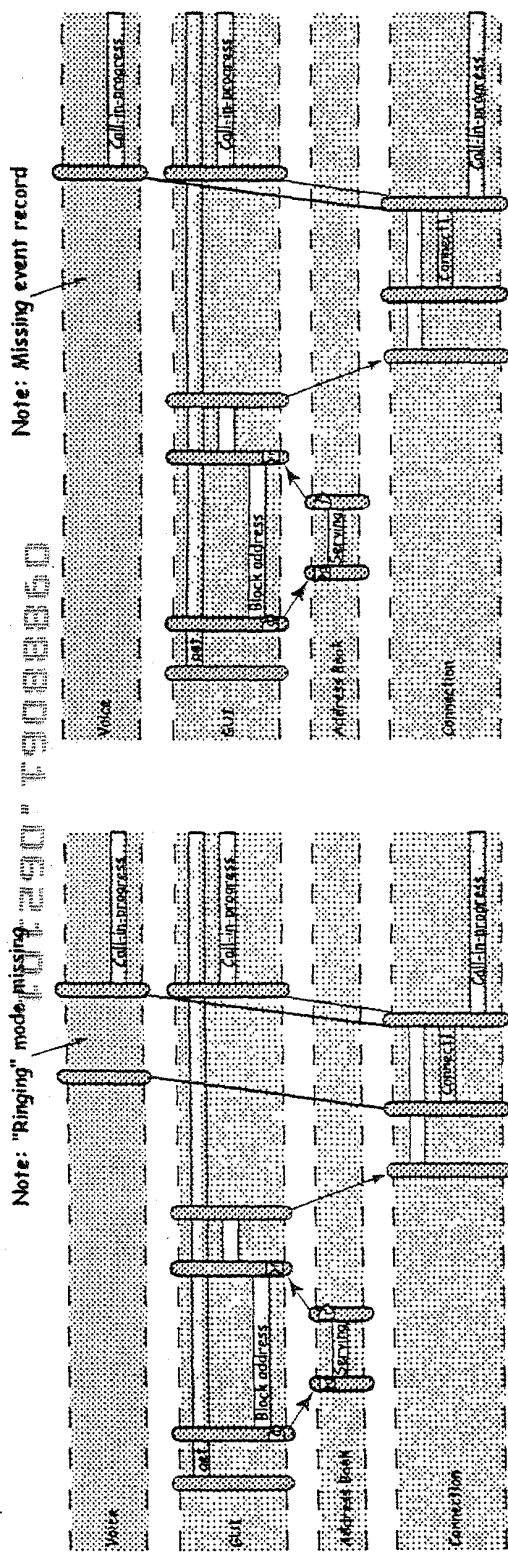


Figure 47A

Figure 47B

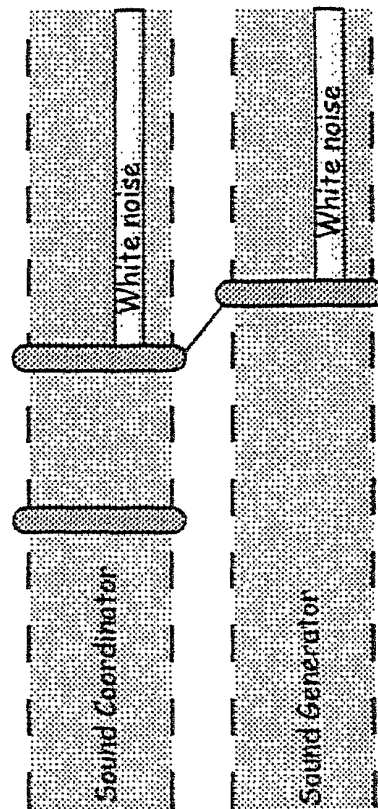


Figure 48

```

if (resourceTaken)
    resourceTaken =
    send(x, "granted")
)
else (
    send(x, "fail");
    ...

```

```

...
send(x, "quitResou
while (!new(N));
....
if (pibreak;
performAction();
send(x, "release
..

```

```

...
send(x, "getResour
while (!new(N));
c = get(N); ....
if (isreqts, "grante
g = getAddress(
...
send(g...)//crash

```

Network Interface

X

Y

Figure 49

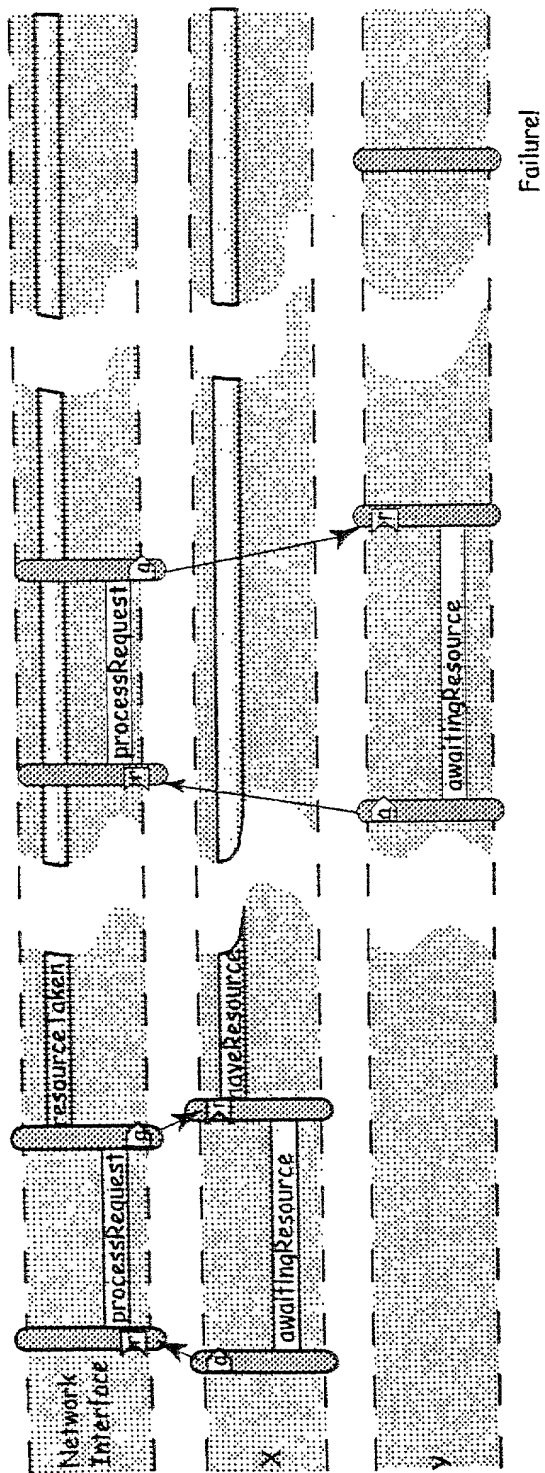


Figure 50

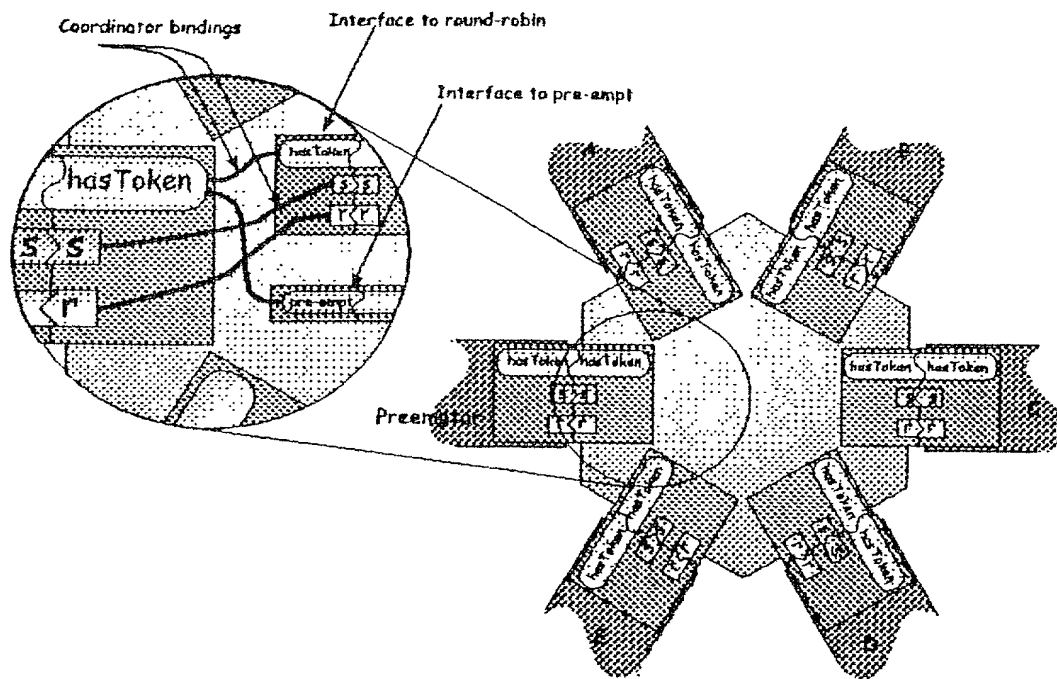


Figure 51A

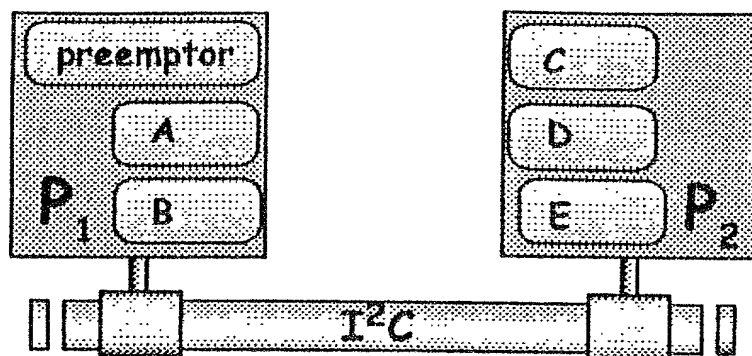
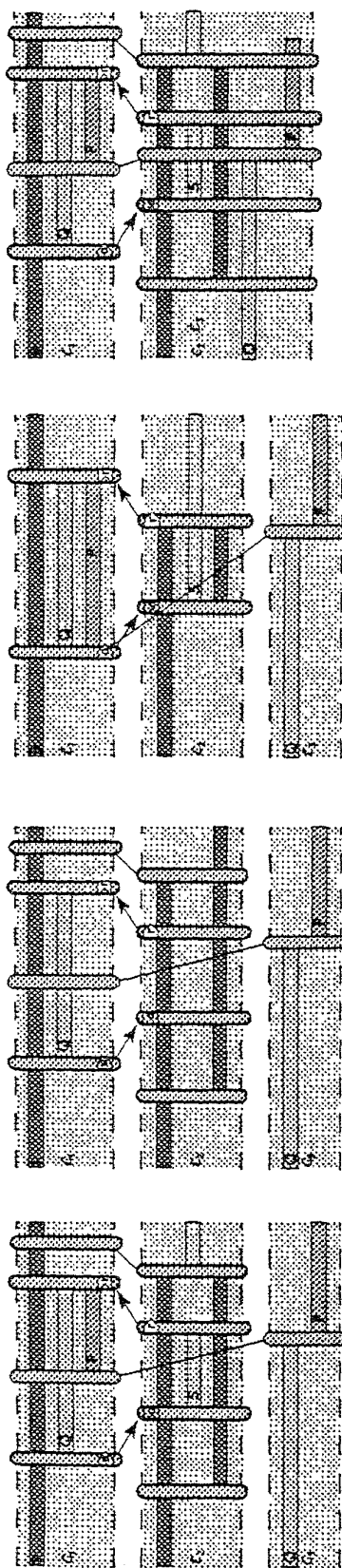


Figure 51B



(d) After components C_2 and C_3 are clustered.

(c) After some of C_1 's events are clustered.

(b) After states on C_2 's middle and bottom trace are clustered.

(a) Complete evolution diagram.

Figure 54

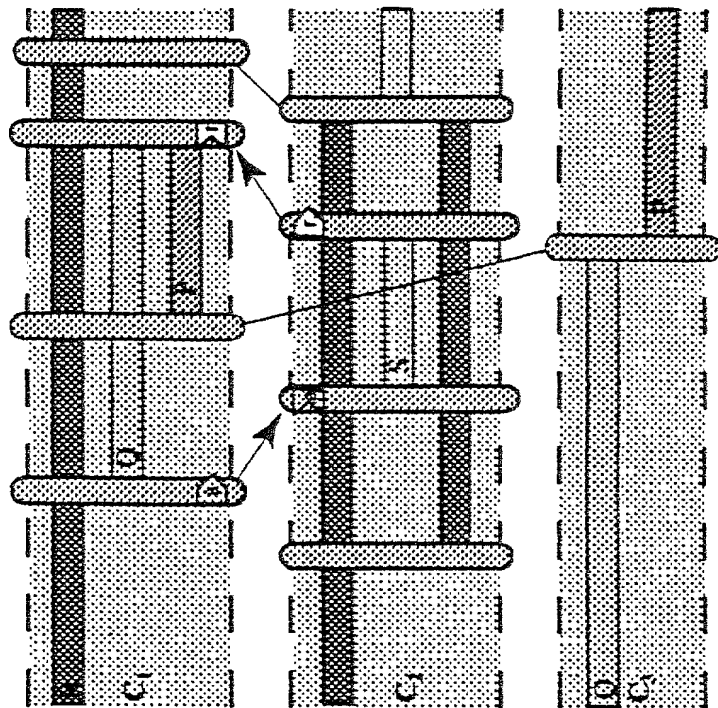


Figure 55A

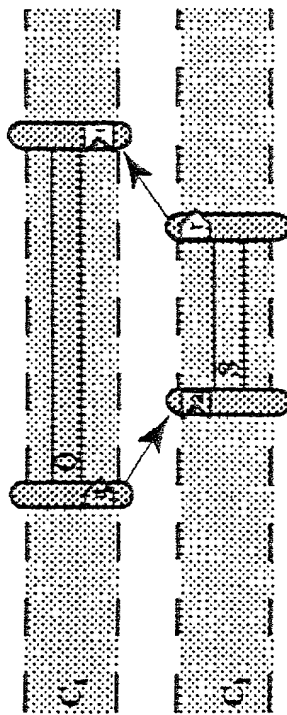


Figure 55B